


3 1761 1155037 8





Digitized by the Internet Archive
in 2022 with funding from
University of Toronto

<https://archive.org/details/31761115550378>

CAI
EP150
-1990
N72
v.1

6

NUCLEAR FUEL WASTE DATABASE

Volume 1

Federal Environmental Assessment Review Office
Hull, Quebec

October 19, 1990

NUCLEAR FUEL WASTE DATABASE - SUBJECT CLASSIFICATION

10 DISPOSAL AND STORAGE
ALTERNATIVES

- 11 Geologic Disposal
(repository design)
- 12 Marine Disposal
- 13 Other
Alternatives

30 SOCIO-ECONOMIC AND
ECOLOGICAL IMPACTS

- 31 Social Impacts
- 32 Economics
- 33 Health
- 34 Public
Participation
- 35 Ethics
- 36 Ecological Impacts

20 WASTE MANAGEMENT

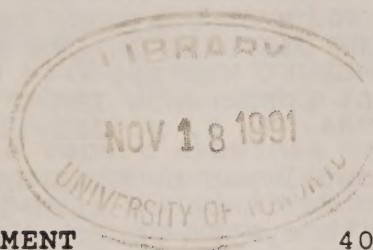
- 21 Policy and
Administration
- 22 Siting
- 23 Waste
Characterization
- 24 Transport
- 25 Waste Handling
and Emplacement
- 26 Containment
(design testing,
corrosion)
- 27 Volume Reduction
(reprocessing)

40 EARTH SCIENCE

- 41 Chemistry
- 42 Geology
- 43 Radionuclide
Migration
- 44 Thermodynamics

50 ANALYTICAL TECHNIQUES

- 51 Risk Analysis
- 52 Safety Analysis
- 53 Monitoring
- 54 Modelling



AUTHOR	Lowry, David (The Open University, Britain)
TYPE	acad
ORGANIZATION	Friends of the Earth. (UK).
TITLE	A CRITIQUE OF DISPOSAL OPTIONS FOR RADIOACTIVE WASTE (DRAFT).
PUBLISH	Friends of the Earth, London, March, 1989, 7pp.
DATE	89/03/00
ABSTRACT	Critiques the three deep repository concepts advanced by Nirex for disposal of radioactive waste in Britain: sub-seabed accessed from shore, sub-seabed accessed from sea, underground repository.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES; geologic disposal, marine disposal.
LOCATION	
REFERENCE	anne

AUTHOR	Kocher, D.C.
TYPE	govt
ORGANIZATION	ORNL
TITLE	A PERSPECTIVE ON DEMONSTRATIONS OF COMPLIANCE FOR HIGH-LEVEL WASTE DISPOSAL (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).
PUBLISH	Waste Management Conference 1984. Tucson, AZ (USA). March 11-15, 1984. V. 1, p. 113-118.
DATE	84/03/00
ABSTRACT	A perspective developed by ORNL on the problem of demonstrating compliance of high-level waste repositories with system performance standards is outlined. EPA's proposed environmental standard for such waste disposal appears to require demonstrations of compliance which are incompatible with scientific knowledge.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	

AUTHOR	Keys, W.S.
TYPE	govt
ORGANIZATION	Battelle Pacific Northwest Lab. WA (USA).
TITLE	A SYNTHESIS OF BORHOLE GEOPHYSICAL DATA AT THE UNDERGROUND RESEARCH LABORATORY, MANITOBA, CANADA.
PUBLISH	Battelle Memorial Institute Report OCRD-15. July 1984. 52 p.
DATE	84/07/00
ABSTRACT	A series of borehole geophysical logs, supported by core data, was used to characterize the rock matrix and fractures in a granitic pluton near Lac du Bonnet, Manitoba. The site is being developed by Atomic Energy of Canada Ltd. as an underground research laboratory to validate predictive models as part of the nation's nuclear waste management program.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: geologic disposal,

LOCATION	geology, modelling.
REFERENCE	

AUTHOR	Hoskins, Raymond E.
TYPE	acad
ORGANIZATION	University of Tennessee Waste Management Research and Education Institute. (USA).
TITLE	A SYSTEMS EVALUATION OF DOE'S PROPOSED I-MRS AND AN AT-REACTOR STORAGE ALTERNATIVE BASED ON SYSTEMS INTEGRATION OF DUAL PURPOSE CASK. (DRAFT).
PUBLISH	Atlanta, February, 1989, 65pp.
DATE	89/02/17
ABSTRACT	A systems approach is used to evaluate a limited number of alternative system configurations for management of spent nuclear fuel from the point of discharge from reactors through to permanent disposal. Concludes that there is no need for a Monitored Retrievable Storage facility in light of the alternative at-reactor spent fuel storage concept.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	P.O.Box 22261, Chattanooga, Tennessee, 27422
REFERENCE	anne

AUTHOR	
TYPE	govt
ORGANIZATION	US DOE Office of Civilian Radioactive Waste Management, Washington, DC (USA).
TITLE	ADDITIONAL INFORMATION ON MONITORED RETRIEVABLE STORAGE. (TRANSPORT AND STORAGE OF SPENT FUELS WITH AND WITHOUT MRS FACILITY).
PUBLISH	November 1987. 113 p.
DATE	87/11/00
ABSTRACT	This report examines various ways in which the transportation and the storage of spent fuel can be managed without an MRS facility and then compares these alternative waste management systems with a system containing an MRS facility.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: retrieval.
LOCATION	
REFERENCE	

AUTHOR	Apps, J.A. (Lawrence Berkeley Lab., CA)
TYPE	Rincon Lopez, J.M. (ed.)
ORGANIZATION	Centro de Investigaciones Energeticas, Medioambientales y Technologicas, Madrid, (Spain).
TITLE	ALTERATION OF NATURAL GLASS IN RADIOACTIVE WASTE REPOSITORY HOST ROCKS: A CONCEPTIONAL REVIEW.
PUBLISH	P.141-178. Glasses and Glass-Ceramics for Nuclear Waste Management. 1987. 212 p.
DATE	87/00/00

ABSTRACT	The storage of high-level radioactive wastes in host rocks containing natural glass has potential chemical advantages, especially if the initial waste temperatures are as high as 2500C. However, it is not certain how natural glasses will decompose when exposed to an aqueous phase in a repository environment.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: geologic disposal, marine disposal, glass.
LOCATION	
REFERENCE	

AUTHOR	Mailen, J.C.; Campbell, D.O.; Bell, J.T.; Collins, E.D.
--------	---

TYPE	govt
ORGANIZATION	Oak Ridge National Lab. TN (USA).
TITLE	AMERICIUM PRODUCT SOLIDIFICATION AND DISPOSAL.
PUBLISH	January 1987. 37 p.
DATE	87/01/00
ABSTRACT	The americium product from the Truex processing plant needs to be converted into a form suitable for ultimate disposal.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: reprocessing.
LOCATION	
REFERENCE	
AUTHOR	Conley, C.H.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	ANALYSIS OF A PROPOSED NNWSI EXPLORATORY SLOT TEST FOR TUFF RESPONSE.
PUBLISH	April 1987. 79 p.
DATE	87/04/00
ABSTRACT	Yucca Mountain is being investigated as to its feasibility as a nuclear waste repository. This report describes a set of analyses of one of the experiments that has been proposed for the exploratory shaft. The experiment involves cutting a slot in the rock and presssurizing the slot via a flatjack inserted in the slot.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: geologic disposal.
LOCATION	
REFERENCE	
AUTHOR	Goodwin, B.W. (AECL, Pinawa. Whiteshell Nuclear Research Establishment)
TYPE	govt
ORGANIZATION	Nuclear Energy Agency. Paris (France).
TITLE	APPLICATION OF SYVAC TO THE CANADIAN CONCEPT FOR NUCLEAR FUEL WASTE DISPOSAL.
PUBLISH	P.149-164. Uncertainty Analysis for Performance Assessments of Radioactive Waste Disposal Systems. Proceedings of an NEA workshop. Paris, France.
DATE	
ABSTRACT	Organization for Economic Co-operation and Development. 1987. 258 p.
KEYWORDS	87/00/00
LOCATION	A brief review of work in progress describes the next generation of SYVAC that will be used for the formal post-closure assessment of this disposal concept.
REFERENCE	DISPOSAL AND STORAGE ALTERNATIVES: modelling.
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	ARTICLES ABOUT THE GOIANIA NUCLEAR ACCIDENT. (in Portuguese).
PUBLISH	Caderno, Porto Alegre, Brazil, September, 1988
DATE	88/09/18
ABSTRACT	A newspaper featuring articles on the Goiania nuclear accident and its implications and effects. Relationship to long-term final storage or disposal of nuclear waste.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: risk analysis.

LOCATION REFERENCE	anne
AUTHOR	Montenegro, Raul (Fundacion para la Defensa del Ambiente)
TYPE	assoc
ORGANIZATION	Greenpeace, Argentina
TITLE	BASES PAPA LA POSIBLE CONSTRUCCION DE UN REPOSITORIO EN LA ARGENTINA. (in Spanish).
PUBLISH DATE	Cordoba, October 1988
ABSTRACT	88/10/00 Reviews and lists literature on the proposed nuclear waste dump in Argentina. Reviews the project proposal, and synopsizes critical literature developed in Argentina and Chile.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	FUNAM, Casilla de Correo 83, Correo Central, 5000 Cordoba, Argentina
REFERENCE	anne

AUTHOR	W.L. Wardrop & Associates Limited.
TYPE	priv/govt
ORGANIZATION	Atomic Energy of Canada Limited.
TITLE	BUFFER AND BACKFILLING SYSTEMS FOR A NUCLEAR FUEL WASTE DISPOSAL VAULT.
PUBLISH DATE	Technical Record TR-341. 86 p.
ABSTRACT	85/00/00
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: backfill.
LOCATION	

REFERENCE	
AUTHOR	Blowers, A.; Pepper, D.; Resnikoff, M.
TYPE	acad
ORGANIZATION	Southwest Research and Information Center. (USA).
TITLE	BURIED FOREVER: THE US EXPERIENCE OF RADIOACTIVE WASTE DISPOSAL.
PUBLISH	Nuclear Power in Crisis: Politics and Planning for the Nuclear State. 1987. p. 178-195.
DATE	87/00/00
ABSTRACT	The US is the largest producer of radioactive wastes, and has considerable experience with shallow disposal methods. This experience is mixed, with major problems of leakage and contamination occurring in those sites in the wetter, eastern parts of the country. This paper, written from the perspective of the national environmental pressure group, The Sierra Club, analyses the geological and technical problems at each of the sites.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: public participation, safety analysis, geology..
LOCATION	
REFERENCE	

AUTHOR	Smith, G.M.; Fearn, H.S.; Delow, C.E.; Lawson, G.; Davis, J.P.
TYPE	govt
ORGANIZATION	National Radiological Protection Board, Chilton (UK).
TITLE	CALCULATIONS OF THE RADIOLOGICAL IMPACT OF DISPOSAL OF UNIT ACTIVITY OF SELECTED RADIONUCLIDES.
PUBLISH	Mar 1987. 70 p.

DATE	87/03/00
ABSTRACT	The purpose of the work described is to provide estimates of the radiological impact following disposal of unit activity via each of several options, including disposal on the deep ocean bed, shallow burial, engineered trench disposal, disposal in a geologic repository and disposal in off-shore boreholes.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: marine disposal, engineering, geology.
LOCATION REFERENCE	
AUTHOR	Papp, R. Bechthold, W.; Roelling, K.
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria).
TITLE	CONCEPTS FOR THE DIRECT DISPOSAL OF SPENT LWR AND HTR FUEL IN THE FEDERAL REPUBLIC OF GERMANY.
PUBLISH	Proceedings of an International Symposium on the Back End of the Nuclear Fuel Cycle: Strategies and Options. Jointly organized by the International Atomic Energy

	Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987.
DATE	87/00/00
ABSTRACT	In a comparative study initiated by the Bundesministerium Fuer Forschung und Technologie (FRG) direct disposal of spent LWR and HTR fuel was compared with the traditional fuel cycle based on reprocessing and thermal recycling.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: volume reduction.
LOCATION REFERENCE	

AUTHOR	Spence, R.D.
TYPE	govt
ORGANIZATION	Oak Ridge National Lab. TN (USA).
TITLE	COST ESTIMATE OF GROUTING THE PROPOSED TEST PITS AT IDAHO NATIONAL ENGINEERING LABORATORY USING THE ORNL RECOMMENDED GROUTS.
PUBLISH	Aug. 1987. 32 p.
DATE	87/09/00
ABSTRACT	EG and G Idaho will construct three experimental pits to simulate the tru waste trenches at Idaho National Engineering Laboratory. Two of these pits will be grouted and then one will be destructively examined as soon as the grout cures and the other will be monitored for 10 years. The results will aid in selection of proper grouting for disposal practices. This report evaluates the economics of grouting the experimental pits.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: economics.
LOCATION REFERENCE	

AUTHOR	
TYPE	govt
ORGANIZATION	Office of Crystalline Repository Development. (USA).
TITLE	CRYSTALLINE REPOSITORY PROJECT.
PUBLISH	Technical Progress Report, Oct. 1982 - March 83, Battelle Memorial Institute. 75 p.
DATE	85/00/00

ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: geologic disposal, crystalline.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	Union of Concerned Scientists.
TITLE	DECOMMISSIONING NUCLEAR POWER REACTORS.
PUBLISH	Union of Concerned Scientists Briefing Paper. October 1985. 2 p.
DATE	
ABSTRACT	85/10/00
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Ltd.
TITLE	DEUXIEME EVALUATION PROVISOIRE DU CONCEPT CANADIAN D'EVACUATION DES DECHETS DE COMBUSTIBLE NUCLEAIRE. VOLUME 1: SOMMAIRE.
PUBLISH	Whiteshell Nuclear Research Establishment. Pinawa, Manitoba. 1985. 54 p. AECL-8373-1F.
DATE	85/07/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	NFW 2.2-10-6f
AUTHOR	Nuttal, K.
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria).
TITLE	DEVELOPMENT OF ENGINEERED SYSTEMS FOR CONDITIONING AND DISPOSAL OF NUCLEAR FUEL WASTES IN CANADA.
PUBLISH	Proceedings of an International Symposium on the Back End of the Nuclear Fuel Cycle: Strategies and Options. Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987.
DATE	87/05/00
ABSTRACT	The design, development and evaluation of engineered systems for a nuclear fuel waste disposal vault in plutonic rock are described.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	Stormont, J.C.; Howard, C.L.
TYPE	priv/govt
ORGANIZATION	Sandia National Labs. NM; RE/SPEC, Inc., Albuquerque, NM (USA).
TITLE	DEVELOPMENT, IMPLEMENTATION AND EARLY RESULTS: TEST SERIES C OF THE SMALL-SCALE SEAL PERFORMANCE TESTS.
PUBLISH	December 1987. 78 p.
DATE	87/12/00
ABSTRACT	This report provides information about the development and implementation of this test including a description of the machine used to press the blocks;

results from a limited study to optimize the blocks;
estimates of block properties; description of
instrumentation used in test series C to measure

KEYWORDS
LOCATION
REFERENCE

pressure and displacement; seal emplacement methods;
and 'as built' hole, seal and instrumentation
configurations.
DISPOSAL AND STORAGE ALTERNATIVES: design, engineering.

AUTHOR

Wheelton, I.S.; Kelly, B.R.; Wood, E. (National Nuclear
Corp. Ltd., Knutsford (UK)).

TYPE
ORGANIZATION
TITLE

govt
Department of the Environment. London (UK).
DIRECT DISPOSAL OF SPENT NUCLEAR FUEL. THE CURRENT
STATUS OF TECHNOLOGY JANUARY 1987.

PUBLISH
DATE
ABSTRACT

Feb 1987. 129 p.
87/02/00
The study assesses the degree and status of research
and development worldwide on direct disposal of spent
nuclear fuel.

KEYWORDS
LOCATION
REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES:

AUTHOR

TYPE
ORGANIZATION

acad
Nus Corp., Gaithersburg, MD (USA); Battelle Memorial
Inst., Columbus, OH (USA).

TITLE

DISPOSAL ALTERNATIVES AND RECOMMENDATIONS FOR WASTE
SALT MANAGEMENT FOR REPOSITORY EXCAVATION IN THE PALO
DURO BASIN, TEXAS.

PUBLISH
DATE
ABSTRACT

Jan 1987. 164 p.
87/01/00
This report documents an evaluation of five
alternatives for the disposal of waste salt that would
be generated by the construction of a repository for
radioactive waste in underground salt deposits at
either of two sites in the Palo Duro Basin.

KEYWORDS
LOCATION
REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES: salt.

AUTHOR

TYPE
ORGANIZATION

Harrison, J.M.
priv

TITLE

DISPOSAL OF RADIOACTIVE WASTES.

PUBLISH

Science 266: 11-14.

DATE

84/00/00

ABSTRACT

KEYWORDS

DISPOSAL AND STORAGE ALTERNATIVES:

LOCATION

REFERENCE

AUTHOR

Gray, M.N.; Cheung, S.C.H.

TYPE	govt
ORGANIZATION	
TITLE	DISPOSAL VAULT SEALING.
PUBLISH	Proceedings of the 20th Information Meeting of the Canadian Nuclear Fuel Waste Management Program. Atomic Energy of Canada Ltd. Technical Record TR-375. V. 2. 1986. p. 253-259.
DATE	86/00/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	DUKE POWER COMPANY SPENT FUEL STORAGE AND TRANSPORTATION EXPERIENCE.
PUBLISH	Nuclear Safety. October-December 1986. V. 27(4). p. 512-519.
DATE	86/10/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: transport.
LOCATION	
REFERENCE	
AUTHOR	Mcdonell, W.R.; Jantzen, C.M.
TYPE	acad
ORGANIZATION	
TITLE	EFFECTS OF WASTE CONTENT OF GLASS WASTE FORMS ON SAVANNAH RIVER HIGH-LEVEL WASTE DISPOSAL COSTS.
PUBLISH	Proceedings of the American Nuclear Society International Topical Meeting on High-Level Nuclear Waste Disposal - Technology and Engineering. September 1985. p. 803-813.
DATE	85/00/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: glass, economics.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	EVALUATION OF MICROBIAL PROCESSES IN RADIOACTIVE WASTE DISPOSAL.
PUBLISH	Chemical Research Department, Ontario Hydro. 1986. 37 p.
DATE	86/00/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: chemistry.
LOCATION	
REFERENCE	
AUTHOR	Westhaus, T.
TYPE	acad
ORGANIZATION	

TITLE	EXPERIMENTS ON THE FINAL STORAGE OF RADIOACTIVE WASTES IN THE USA.
PUBLISH	Bauingenieur. Nov. 1987. V. 62(11) p. 497-498.
DATE	87/11/00
ABSTRACT	Published in summary form only.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	Nikiforov, A.S.; Borzunov, A.I.; Votintsev, A.F.
TYPE	govt
ORGANIZATION	
TITLE	FACILITY FOR BITUMINIZING LIQUID RADIOACTIVE WASTES FROM THE LENIGRAD NUCLEAR POWER PLANT.
PUBLISH	Soviet Atomic Energy. March 1987. V. 61(3) p. 669-674.
DATE	87/03/00
ABSTRACT	This paper describes the facility at the Leningrad Nuclear Power Plant for the bituminization and storage of the radioactive effluents from the four RBMK reactors at the site.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Minnesota Governor's Nuclear Waste Council. (USA).
TITLE	FACT SHEETS ON HIGH-LEVEL WASTE DISPOSAL.
PUBLISH	St. Paul, 1985, 8pp.
DATE	85/00/00
ABSTRACT	Information on nature of radioactive waste, types, volumes, radioactivity; storage and treatment alternatives; reprocessing; permanent disposal alternatives; geologic repository multi-barrier system; uncertainties of crystalline rock; guide to U.S. and state bodies involved in nuclear waste program; siting process.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: siting.
LOCATION	State Planning Agency, 300 Centennial Building, 658 Cedar St. St. Paul, Minnesota 55155
REFERENCE	anne
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	FEDERAL UNDERGROUND DISPOSAL OF NUCLEAR WASTE STUDY QUESTIONED.
PUBLISH	Globe & Mail, October 7, 1985. p. A5.
DATE	85/10/07
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	Roethemeyer, H.
TYPE	acad
ORGANIZATION	Physikalisch-Technische Bundesanstalt, (FRG).
TITLE	FINAL DISPOSAL, A CONTRIBUTION TO ENVIRONMENTAL PROTECTION.
PUBLISH	Kerntechnik. Aug. 1987. V. 51(1) p. 64-66.
DATE	87/08/00

ABSTRACT	Toxic substances which have been emplaced in repositories, I.E., deep strata of the lithosphere, can be effectively and almost completely isolated from the biosphere for up to millions of years. Due to expected essential changes of Man's environment, however, the possibility of calculating the effects of the disposal of the substances on individuals are limited to a period of about 10,000 years.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: safety analysis.
LOCATION	
REFERENCE	
AUTHOR	Sargent, K.A.; Bedinger, M.S.
TYPE	govt
ORGANIZATION	US Department of the Interior.
TITLE	GEOLOGIC AND HYDROLOGIC CHARACTERIZATION AND EVALUATION OF THE BASIN AND RANGE PROVINCE RELATIVE TO THE DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE. PART II: GEOLOGIC AND HYDROLOGIC CHARACTERIZATION.
PUBLISH	Geologic Survey Circular 904-B. 30 p.
DATE	85/00/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: geology, hydrology.
LOCATION	
REFERENCE	
AUTHOR	Burkholder, H.C.
TYPE	
ORGANIZATION	
TITLE	HIGH-LEVEL NUCLEAR WASTE DISPOSAL.
PUBLISH	Battelle Press, Inc. 1986.
DATE	86/00/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	Crandall, J.L., et al.
TYPE	
ORGANIZATION	
TITLE	
PUBLISH	
DATE	
ABSTRACT	
KEYWORDS	
LOCATION	
REFERENCE	
AUTHOR	Jovanovich, J.V
TYPE	priv
ORGANIZATION	
TITLE	HOW TO LIVE WITH NUCLEAR POWER: THE PROBLEM OF SPENT NUCLEAR FUEL.
PUBLISH	Physics in Canada, March 1989, p. 68-79.
DATE	89/03/00
ABSTRACT	An argument endorsing the concept, and stressing the need for nuclear power is followed by: an explanation of toxicity of nuclear waste; options available for handling spent nuclear fuel; and, the introduction of various unconventional methods of dealing with spent nuclear fuel. Unconventional methods examined include,

KEYWORDS
LOCATION
REFERENCE

incineration, and the use of accelerator breeder as incinerators. It is conceptualized that these methods would be an effective means of alleviating the problem of spent nuclear fuel.
DISPOSAL AND STORAGE ALTERNATIVES: other alternatives.

AUTHOR
TYPE
ORGANIZATION
TITLE

Lomenick, T.F.; Kanehiro, B.Y.
govt
Oak Ridge National Lab. TN (USA).
HYDROLOGICAL EVALUATION OF FIVE SEDIMENTARY ROCKS FOR HIGH-LEVEL WASTE DISPOSAL.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

1986. 10 p.
86/00/00
DISPOSAL AND STORAGE ALTERNATIVES: hydrology, geology.

AUTHOR
TYPE
ORGANIZATION
TITLE

Hall, R.J.; Kreid, D.K.
govt
Battelle Pacific Northwest Lab. WA (USA).
IMPLEMENTATION OF DOE'S MRS PLAN: A MID-TERM REPORT (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).
Waste Management Conference 1984. Tucson, AZ (USA).
March 11-15, 1984. V. 1, p. 157-162.

PUBLISH
DATE
ABSTRACT

84/03/00
DOE is required to complete a study by June 1, 1985 of

KEYWORDS
LOCATION
REFERENCE

the need for and feasibility of MRS facilities for interim storage. The status of the program established by the agency to comply with the MRS provisions of the Act is examined. Two dry storage concepts have been selected for further study.
DISPOSAL AND STORAGE ALTERNATIVES: retrieval.

AUTHOR
TYPE
ORGANIZATION
TITLE

assoc
International Atomic energy agency. Vienna (Austria).
IN SITU EXPERIMENTS FOR DISPOSAL OF RADIOACTIVE WASTES IN DEEP GEOLOGICAL FORMATIONS. REPORT PREPARED BY A GROUP OF CONSULTANTS.

PUBLISH
DATE
ABSTRACT

Dec. 1987. 116 p.
87/12/00
This report reviews the current status of in situ experiments undertaken to assess various concepts for disposal of spent fuel and reprocessing high level waste in deep geological formations. Specifically, it describes in situ experiments in three geological formations - clay, granite and domed salt.
DISPOSAL AND STORAGE ALTERNATIVES: clay, granite, salt.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Oblath, S.B.; Congdon, J.W.
priv/govt
E.I Du Pont du Nemours and Co., Savannah River Lab. SC (USA).
INHIBITING LOCALIZED CORROSION DURING STORAGE OF DILUTE

PUBLISH	SRP WASTES.
DATE	Waste Management '87: Waste Isolation in the US,
ABSTRACT	Technical Programs and Public Education. Tucson, AZ,
	(USA). University of Arizona Nuclear Engineering Dept.
	1987. p. 599-602.
	87/00/00
	High-level radioactive waste will be incorporated in
	borosilicate glass in the defence waste processing
	facility at Savannah River. As part of this process,
	large volumes of inorganic salt wastes are
	decontaminated for disposal as low-level waste. The
	processes involved are described.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: glass.
LOCATION	
REFERENCE	
AUTHOR	Eberle, A.R.; Bodner, S.S.
TYPE	priv
ORGANIZATION	Westinghouse Idaho Nuclear Co. Inc., ID (USA).
TITLE	INTERIM HIGH-LEVEL RADIOACTIVE WASTE STORAGE AT THE
PUBLISH	IDAHO CHEMICAL PROCESSING PLANT.
DATE	Waste Management '87: Waste Isolation in the US,
ABSTRACT	Technical Programs and Public Education. Tucson, AZ,
	(USA). University of Arizona Nuclear Engineering Dept.
	1987. p. 609-614.
	87/00/00
	Storage facilities, known as bin sets, are provided for
	the interim storage of the granular solid radioactive
	waste produced at Idaho Chemical Processing Plant.
	This paper describes the bin sets, including retrieval
	lines, vent and relief system, retrieval systems and
	radiation monitors are discussed.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: containment.
LOCATION	
REFERENCE	
AUTHOR	Rudolph, G.
TYPE	
ORGANIZATION	Kernforschungszentrum Karlsruhe G.M.B.H., Germany, F.R.
TITLE	Inst. fuer Nukleare Entsorgungstechnik.
	LABORATORY EXPERIMENTS ON CEMENTATION OF TRITIATED
	WATER. (in German)
PUBLISH	February 1987. 24 p.
DATE	87/02/00
ABSTRACT	Cementation of tritiated water arising from fuel
	reprocessing has been studied as an alternative
	disposal method if deep well disposal will not be
	possible.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: reprocessing.
LOCATION	
REFERENCE	
AUTHOR	Roesel, H.
TYPE	govt
ORGANIZATION	Physikalisch-Technische Bundesanstalt, (FRG).
TITLE	LEGAL PREREQUISITES FOR THE DISPOSAL OF RADIOACTIVE
	WASTE - COMPETENCIES AND RESPONSIBILITIES.
PUBLISH	Kerntechnik. Sep. 1987. V. 51(2) p. 83-86.
DATE	87/09/00
ABSTRACT	In the Federal Republic of Germany, the disposal of
	radioactive waste was finally settled by the Fourth

KEYWORDS	Law Amending the Atomic Energy Act; the competence was assigned to the Physickalisch-Technische Bundesanstalt. The disposal concepts and the current state of procedures as well as the difficulties are presented.
LOCATION REFERENCE	DISPOSAL AND STORAGE ALTERNATIVES: policy and administration.
AUTHOR	Berreth, P.D.
TYPE	priv/govt
ORGANIZATION	EG & G Idaho Inc. ID (USA).
TITLE	LONG-RANGE PLAN FOR BURIED TRANSURANIC WASTE STUDIES AT THE IDAHO NATIONAL ENGINEERING LABORATORY.
PUBLISH	DOE Report EGG-2350. Nov. 1984. 31 p.
DATE	84/11/00
ABSTRACT	Buried waste studies will provide the technical basis for the selection of a long-term management alternative for transuranic wastes buried at the Idaho National Engineering Lab. Three final management alternatives are being considered: leave the waste in place; leave it in place but improve the confinement; retrieve the waste, certify to WIPP standards and ship it there.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria).
TITLE	LONG-TERM STORAGE AND DISPOSAL OF SPENT FUEL.
PUBLISH	April 1986. V. 28(1) p. 15.
DATE	86/04/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Wisconsin Radioactive Waste Review Board. (USA).
TITLE	LOOKING AT NUCLEAR WASTE: THE VIEW FROM WISCONSIN.
PUBLISH	WRWRB, Madison, 1985
DATE	85/00/00
ABSTRACT	A slide-tape presentation examining all aspects of radioactive waste disposal from a Wisconsin perspective.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION REFERENCE	
AUTHOR	anne
TYPE	
ORGANIZATION	Schneider, K.J.
TITLE	govt
PUBLISH	Battelle Pacific Northwest Lab. WA (USA).
	LOW COST CONCEPTS FOR DRY TRANSFER OF SPENT FUEL AND WASTE BETWEEN STORAGE AND TRANSPORTATION CASKS (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).
	Waste Management Conference 1984. Tucson, AZ (USA).
	March 11-15, 1984. V. 1, p. 507-512.

DATE
ABSTRACT

| 84/03/00
| A candidate concept for interim storage of spent

KEYWORDS
LOCATION
REFERENCE

| nuclear fuel is to place the waste in large metal
| casks. Four intercask transfer system concepts are
| explored: a large cylindrical turntable, a shielded
| fuel handling machine, a small hot cell, and a large
| hot cell. Operating, capital, and relocation costs for
| each option are discussed.
| DISPOSAL AND STORAGE ALTERNATIVES: economics, cask.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

| Wachter, W.J.
| priv
| US Patent. (USA).
| METHOD AND APPARATUS FOR COMPACTING SPENT NUCLEAR
| REACTOR FUEL RODS.
| 3 Nov. 1987. VP.
| 87/11/03
| This patent describes an apparatus in combination with a
| fuel rod assembly containing nuclear fuel rods therein
| for compacting nuclear fuel rods in a fuel rod
| assembly for storage in a fuel rod storage canister.
| DISPOSAL AND STORAGE ALTERNATIVES: containment.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

| assoc
| Environmental Policy Institute. (USA).
| MONITORED RETRIEVABLE STORAGE.
| EPI, May, 1985, 9pp.
| 85/05/14
| Criticizes DOE's plans for a Monitored Retrievable
| Storage facility. It is seen as an expedient way of
| relieving utilities of on-site spent fuel storage. It
| creates a new set of waste-management problems and
| exposes a greater number of communities to fuel cycle
| hazards. Suggests alternatives for spent fuel
| storage. Spent fuel transportation hazards will be
| increased by an MRS.
| DISPOSAL AND STORAGE ALTERNATIVES: retrieval.
| EPI, 218 D St. SE, Washington, D.C. 20003
| NFW 2.2-10-14

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

| King, Joseph C.
| govt
| City of Oak Ridge, Tennessee. (USA).
| MRS AND THE LOCAL COMMUNITY: THE OAK RIDGE AREA
| RESPONSE
| Forum for Applied Research and Public Policy,
| Spring, 1986, 7pp.
| 86/00/00
| The Oak Ridge/Roane County Task Force examined the

KEYWORDS	issue of siting an MRS in Tennessee. It concluded that the facility could be made acceptable to the communities provided the authorizing legislation ensured certain stringent but reasonable conditions as recommended by the Task Force. These measures relate to safety, ensuring that the MRS is an interim facility, diversifying the economic base, building local trust and positive public perceptions of the community.
LOCATION	DISPOSAL AND STORAGE ALTERNATIVES: public participation.
REFERENCE	NFW 2.2-10-13
AUTHOR	Handke, W.A.; Priest, M.A.
TYPE	
ORGANIZATION	
TITLE	MULTIPLE RESERVIOR TRANSPORTATION ASSEMBLY FOR RADIOACTIVE SUBSTANCES, AND RELATED METHOD.
PUBLISH	15 December 1987. VP.
DATE	87/12/15
ABSTRACT	A method of injecting a radioactive substance into a well is described.
KEYWORDS	DISPOSAL AND STORAGE OPTIONS:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	acad
ORGANIZATION	
TITLE	NEAR FIELD THERMAL ANALYSIS OF THE NUCLEAR WASTE DISPOSAL VAULT.
PUBLISH	Nuclear Waste Management Symposium. Stockholm (Sweden). Sept. 9-11, 1985. p. 559.
DATE	85/09/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: thermodynamics.
LOCATION	
REFERENCE	
AUTHOR	Jackson, J.L., (compiler).
TYPE	govt
ORGANIZATION	Nevada Nuclear Waste Storage Investigation. NA (USA).
TITLE	NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS PRELIMINARY REPOSITORY CONCEPTS REPORT.
PUBLISH	1984. 215 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	NUCLEAR DISPOSAL SAFE, STUDY SAYS.
PUBLISH	Vancouver Sun, Oct 2, 1985. p. A7.
DATE	85/10/02

ABSTRACT
KEYWORDS
LOCATION
REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES:

AUTHOR

Passant, F.H. (Central Electricity Generating Board, Barnwood, UK. Generation Development and Construction Div.).

TYPE
ORGANIZATION
TITLE

NUCLEAR WASTE DISPOSAL IN THE UK - TECHNICAL OPTIONS AND PROSPECTS.

PUBLISH

Nucl. Eur. March 1987. V.7(3-4). P.24.

DATE

87/03/00

ABSTRACT

New UK repositories will be required for the future disposal of all radioactive waste types, and the options being examined are summarized.

KEYWORDS
LOCATION
REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES:

AUTHOR

media

TYPE
ORGANIZATION
TITLE

NUCLEAR WASTE PACT REACHED.

PUBLISH

Calgary Herald, March 23, 1986. p. A3.

DATE

86/03/23

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES:

AUTHOR

govt

TYPE
ORGANIZATION
TITLE

NUCLEAR WASTE: COST OF DOE'S PROPOSED MONITORED RETRIEVABLE STORAGE FACILITY.

PUBLISH

GAO Report RCED-86-198FS, August, 1986. 21 p.

DATE

86/08/00

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES: retrieval.

AUTHOR

TYPE

ORGANIZATION
TITLE

NUCLEAR WASTE: INFORMATION ON THE RERACKING OF THE DIABLO CANYON SPENT FUEL STORAGE POOLS.

PUBLISH

GAO Report RCED-88-79FS. February 1988. 47 p.

DATE

88/02/00

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES:

AUTHOR

assoc

TYPE
ORGANIZATION
TITLE

NUCLEAR WASTE: MONITORED RETRIEVABLE STORAGE OF SPENT NUCLEAR FUEL.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

GAO Report. May 1986.
86/05/00

DISPOSAL AND STORAGE ALTERNATIVES: retrieval.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

media

ONTARIO - A-WASTE VAULT PLAN CALLED SAFE.
Globe & Mail, October 2, 1985, p. A3.
85/10/02

DISPOSAL AND STORAGE ALTERNATIVES:

AUTHOR
TYPE
ORGANIZATION
TITLE

Armstrong, P.J. (Ontario Hydro, Toronto, Ont)
Post, R.G. (ed.).
priv

PUBLISH

ONTARIO HYDRO'S EXPERIENCE WITH AUGERED BOREHOLE
STORAGE.

p. 501-504. Waste Management '87: Waste Isolation in
the US, Technical Programs, and Public Education.
Tucson, AZ. Univ. of Arizona Nuclear Engineering Dept.
1987.

DATE
ABSTRACT

87/00/00

Two new types of radioactive waste storage facilities
have been built at Ontario Hydro's Bruce Nuclear Power
Development using a soil auger construction method.
The design, construction and operation of these
facilities are described.

DISPOSAL AND STORAGE ALTERNATIVES:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

media

OU ENFOUIR LES DECHETS NUCLEAIRES?
La Recherche. Vol 166. May 1985. p. 680-683.
85/05/00

The question of where to dispose of radioactive wastes
is examined in this journal article.

DISPOSAL AND STORAGE ALTERNATIVES:

KEYWORDS
LOCATION
REFERENCE

NFW 2.2-10-15

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Closs, K.; Einfield, K.
assoc

Canadian Nuclear Society. (Canada).
OVERVIEW OF THE FRG ACTIVITIES ON SPENT FUEL DISPOSAL.
Canadian Nuclear Society 2nd International Conference
on Radioactive Waste Management. Sept. 7-11, 1986. p.
26-32.

DATE
ABSTRACT
KEYWORDS
LOCATION

86/09/00

DISPOSAL AND STORAGE ALTERNATIVES: monitoring.

REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

assoc
International Atomic Energy Agency. Vienna (Austria).
PERFORMANCE ASSESSMENT FOR UNDERGROUND RADIOACTIVE
WASTE DISPOSAL SYSTEMS.
Safety Series No. 68. 37 p.
85/00/00

DISPOSAL AND STORAGE ALTERNATIVES: monitoring,
international.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Kocher, D.C.
govt
Oak Ridge National Lab. TN (USA).
PERSPECTIVE ON DEMONSTRATIONS OF COMPLIANCE FOR
HIGH-LEVEL WASTE DISPOSAL.
1984. 19 p.
84/00/00

DISPOSAL AND STORAGE ALTERNATIVES: regulations.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Green, B.J.

TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

govt
Ontario Hydro. (Canada).
POTENTIAL RADIATION CRITERIA FOR ONTARIO HYDRO'S
REACTOR WASTE DISPOSAL PROGRAM (WASTE POLICIES AND
PROGRAMS, HIGH-LEVEL WASTE).
Waste Management Conference 1984. Tucson, AZ (USA).
March 11-15, 1984. V. 1, p. 467-474.
84/03/00
A ranking procedure was formulated by Ontario Hydro to
assist in the selection of potential reactor waste
disposal concepts from a radiological viewpoint. The
process includes defining disposal concept ranking
criteria and testing concepts against the criteria
using radiological pathway models.
DISPOSAL AND STORAGE ALTERNATIVES: risk analysis.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Duyf, Carol
assoc
Evangelism and Social Action Council, Manitoba and
Northwestern Ontario Conference, United Church.
(Canada).
PRESENTATION TO THE N.D.P. HEARINGS ON NUCLEAR POWER
Winnipeg, January, 1987, 8pp.
87/01/00
Gives background of AECL disposal research in Manitoba,
raises some theological stewardship concerns and
broader issues of concern to the United Church:
health, credibility of the industry, public
participation.
DISPOSAL AND STORAGE ALTERNATIVES: health, public
participation.

LOCATION	United Church House, 120 Maryland St. Winnipeg,
REFERENCE	Manitoba anne
AUTHOR	Ewart, F.T.; Smith, A.J.; Walters, W.S.; Williams, S.J.
TYPE	govt
ORGANIZATION	Ukaea Harwell Lab. (UK).
TITLE	PROGRAMME OF RESEARCH INTO RADIOACTIVE WASTE MANAGEMENT AND DISPOSAL. TESTING AND EVALUATION OF CONDITIONED WASTE AND ENGINEERED BARRIERS. ANNUAL REPORT 1986.
PUBLISH DATE	Sep. 1987. 7 p. 87/09/00
ABSTRACT	Progress made under the radiolytic oxidation contract to the end of 1986 is reviewed. Previous work in this laboratory on the solubility of neptunium under possible waste disposal conditions and in the presence of gamma irradiation is discussed.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: chemistry.

LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	NATIONAL COOPERATIVE FOR THE STORAGE OF RADIOACTIVE WASTE (NAGRA).
TITLE	PROJECT GEWAHR 1985. NUCLEAR WASTE MANAGEMENT IN SWITZERLAND: FEASIBILITY STUDIES AND SAFETY ANALYSES.
PUBLISH DATE	Project Report NGB 85-09. June 1985. 85/06/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	

AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	RADIOACTIVE WASTE DISPOSAL.
PUBLISH DATE	Oceanus. Spring 1987. V. 30(1). p.61-66. 87/05/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	

AUTHOR	
TYPE	assoc
ORGANIZATION	Greenpeace, U.K; Friends of the Earth, U.K; Cumbrians Opposed to a Radioactive Environment
TITLE	RADIOACTIVE WASTE MANAGEMENT: THE ENVIRONMENTAL APPROACH.
PUBLISH DATE	London, November, 1987 87/11/00
ABSTRACT	Criticizes the process and substance of the NIREX consultation on deep disposal of radioactive waste, critiques the disposal options for waste. Modern environmental awareness in relation to toxics is towards containment not dispersal, waste producers should be investing in the best available technology for containing waste in the context of the

KEYWORDS	well-understood surface environment. Calls for dry storage of waste at the site of production.
LOCATION	DISPOSAL AND STORAGE ALTERNATIVES: containment. Greenpeace, U.K, 30-31 Islington Green, London N1 8XE, U.K.
REFERENCE	anne
AUTHOR	
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria).
TITLE	RADIOACTIVE WASTE STORAGE AND DISPOSAL.
PUBLISH	IEAE Procedures. April 1986. V. 74(4) p. 552-579.
DATE	86/04/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	Englebadt, Stanley L.
TYPE	media
ORGANIZATION	
TITLE	RADIOACTIVE WASTE: IT WON'T GO AWAY; WHAT IS THE WORLD TO DO WITH THE TONNES OF LETHAL MATERIAL PILING UP AS NUCLEAR POWER PLANTS CLOSE DOWN?
PUBLISH	Reader's Digest (August 1987) 131(784):135-140.
DATE	87/08/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	Toprak, H.; Kasirga, E.; Erdin, E. (Dokuz Eyluel Ueniversitesi, Izmir, Turkey)
TYPE	
ORGANIZATION	Kommunaler Abfallbeseitigungsverband Saar, Saarbruecken, Germany, (F.R.)
TITLE	RADIOACTIVE WASTES AND THEIR DISPOSAL.
PUBLISH	P. 1-14. Waste Management- Sewage- Special Wastes. Collection of Papers. 1987. 475 p.
DATE	87/00/00
ABSTRACT	The solid, gaseous, liquid, reactor, and reprocessing radioactive wastes are classified. The form of storage of these radioactive wastes such as the disposal into deep aquifers, the hydrofracturing, the disposal in salt deposits, and the sea disposal depends on the research programme of the radioactive waste producing country.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: waste characterization, salt, geologic disposal, marine disposal.
LOCATION	
REFERENCE	
AUTHOR	Neumann, L.
TYPE	
ORGANIZATION	Ceskoslovenska Komise Pro Atomovou Energii, Prague.
TITLE	RADIOACTIVE WASTES FROM NUCLEAR POWER PLANTS. (CZECHOSLOVAK ATOMIC ENERGY COMMISSION). (in Czech.)
PUBLISH	P. 50-55. Nuclear Power. CAEC Lecturer's Manual. (Jaderna Energetika. Prirucka Pro Lektorsky Sbor Cskae). 1987. 68 p.

DATE

| 87/00/00

ABSTRACT

The production of radioactive wastes in nuclear power and the current concept of their disposal are explained. This is based on the so-called multibarrier principal using a system of several barriers each of which barring radioactive materials from penetrating the environment.

DISPOSAL AND STORAGE ALTERNATIVES:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Davis, J.P.; Smith, G.M.
govt

National Radiological Protection Board. (UK).
RADIOLOGICAL ASPECTS OF THE MANAGEMENT OF SOLID WASTES
FROM THE OPERATION OF D-T FUSION REACTORS.

PUBLISH
DATE
ABSTRACT

November 1987. 82 p.
87/11/00

A range of structural materials are considered including conventional steels and low activation steels and alloys. Waste management options considered are, shallow land burial, deep geological disposal, deep ocean disposal and recycling with useful product returned to the fusion reactor and disposal of secondary wastes.

DISPOSAL AND STORAGE ALTERNATIVES:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Donnelly, K.J., et al.
govt/assoc

American Nuclear Society.
RADIOLOGICAL PATHWAY ANALYSIS FOR THE NUCLEAR FUEL
WASTE DISPOSAL CENTRE: PRE-CLOSURE PHASE.

PUBLISH

International Topical Meeting, 1984. Fuel Reprocessing
and Waste Management Proceedings 1: 314-326.

DATE
ABSTRACT
KEYWORDS

84/00/00

DISPOSAL AND STORAGE ALTERNATIVES: radionuclide
migration.

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Ahlstrom, P.E.; Ungermark, S.
govt

Swedish Nuclear Fuel and Waste Management Co. (Sweden).
RADWASTE MANAGEMENT IN SWEDEN.

Nucl. Eur. Nov 1987. V. 7(11-12) p.16-17.
87/11/00

The waste management system planned for handling the radioactive residues from Sweden's 12 nuclear power units is based on the operation of all the units up to the year 2010 in accordance with parliament's decision

KEYWORDS	to abolish nuclear power by that time. The main strategy for handling spent nuclear fuel is direct disposal without reprocessing. DISPOSAL AND STORAGE ALTERNATIVES: policy and administration.
LOCATION REFERENCE	
AUTHOR TYPE ORGANIZATION TITLE	govt Atomic Energy Control Board. (Canada). RAPPORT SEMESTRIEL DE SITUATION DU PROGRAMME CANADIEN DE GESTION DES DECHETS DE COMBUSTIBLE NUCLEAIRE: 1 AVRIL - 30 SEPTEMBRE 1986.
PUBLISH	Whiteshell Nuclear Research Establishment. Pinawa, Manitoba. 1988. 172 p. TR425-1F.
DATE	88/00/00
ABSTRACT	The work of the Canadian Nuclear Fuel Waste Management Program is detailed for the dates provided.
KEYWORDS LOCATION REFERENCE	DISPOSAL AND STORAGE ALTERNATIVES: NFW 2.2-10-2
AUTHOR TYPE ORGANIZATION TITLE	Haigh, C.P.; Luke, J.A. (Central Electricity Generating Board, Barnwood, UK. Generation Development and Construction Div.). priv RECENT DEVELOPMENTS IN POWER STATION WASTE MANAGEMENT PROCEDURES.
PUBLISH	Radioact. Waste Manag. Nucl. Fuel Cycle. December 1987. V.9(1-3) P. 71-84.
DATE	87/12/00
ABSTRACT	The authors summarise the arisings, methods of treatment, storage and disposal of radioactive wastes from operating CEGB reactors.
KEYWORDS LOCATION REFERENCE	DISPOSAL AND STORAGE ALTERNATIVES:
AUTHOR TYPE ORGANIZATION TITLE	govt Atomic Energy Control Board. (Canada). REGULATORY OBJECTIVES, REQUIREMENTS AND GUIDELINES FOR THE DISPOSAL OF RADIOACTIVE WASTES. (IN FRENCH AND ENGLISH).
PUBLISH	Consultative Document C-104. April 30, 1986. 20 p.
DATE	86/04/30
ABSTRACT	This paper presents the regulatory basis for judging the long-term acceptability of radioactive waste disposal options, assuming that the operational aspects of waste emplacement and facility closure
KEYWORDS LOCATION REFERENCE	satisfy the existing regulatory framework of requirements. DISPOSAL AND STORAGE ALTERNATIVES: policy and administration. NFW 2.2-10-1

AUTHOR	Evans, Thomas J. (Wisconsin Geological and Natural History Survey)
TYPE	acad
ORGANIZATION	Wisconsin Radioactive Waste Review Board. (USA).
TITLE	REVIEW OF CANADIAN CRYSTALLINE ROCK RESEARCH PROGRAM, SECOND AND THIRD QUARATERLY REPORTS.
PUBLISH	WGNHS, Madison, March, 1988, 8pp.
DATE	88/03/31
ABSTRACT	Recent AECL documents relating to high-level waste disposal are reviewed with attention to their significance for the U.S. program. One important note is that the early 1990's concept assessment deadline will arrive before the necessary multidisciplinary experiments are completed.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	WGNHS 3817 Mineral Pt. Road, Madison, WI 53705
REFERENCE	anne
AUTHOR	Evans, Thomas J. (Wisconsin Geological and Natural History Survey)
TYPE	acad
ORGANIZATION	Wisconsin Radioactive Waste Review Board. (USA).
TITLE	REVIEW OF CANADIAN CRYSTALLINE ROCK RESEARCH PROGRAM - FINAL REPORT.
PUBLISH	WGNHS, Madison, June, 1988, 22pp.
DATE	88/06/30
ABSTRACT	Continues a review of AECL documents relating to high-level waste disposal.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	WGNHS, 3817 Mineral Point Road, Madison, WI 53705
REFERENCE	anne
AUTHOR	Anon.
TYPE	
ORGANIZATION	
TITLE	SAFE TOXIC AND NUCLEAR STORAGE.
PUBLISH	Aust. Environ. Manage. Rev. Newsl. July 1987. V. 2(21) P.5.
DATE	87/07/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	Smith, R.M.; Jung, D.W.
TYPE	acad
ORGANIZATION	
TITLE	SAFEGUARDS, PROBLEMS AND POSSIBLE SOLUTIONS WITH DEEP UNDERGROUND DISPOSAL OF USED NUCLEAR FUEL AND FUEL RECYCLE WASTE.
PUBLISH	Nuclear Material Management. July 1987. V. 16 p. 161-165.
DATE	87/07/00
ABSTRACT	The disposal of used, radioactive nuclear fuel and nuclear fuel recycle waste has been one of the major undertakings of the nuclear industry. This paper considers the problems and possible techniques for the application of IAEA safeguards to the nuclear material at disposal facilities.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: international.
LOCATION	

REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

acad/media

PUBLISH

SCENARIOS IN PERFORMANCE ASSESSMENT OF HIGH-LEVEL WASTE REPOSITORIES.

DATE

Mar. 1986. Radioactive Waste Management & the Nuclear Fuel Cycle. V. 7(1) p. 47.

ABSTRACT

86/03/00

KEYWORDS

DISPOSAL AND STORAGE ALTERNATIVES: monitoring, safety analysis.

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Gillespie, P.A., et al

PUBLISH

govt

DATE

Atomic Energy of Canada Limited.

ABSTRACT

SECOND INTERIM ASSESSMENT OF THE CANADIAN CONCEPT FOR NUCLEAR FUEL WASTE DISPOSAL, VOLUME 2: BACKGROUND.

KEYWORDS

Report AECL 8373-2.

LOCATION

84/00/00

REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES:

NFW 2.2-10-9

AUTHOR
TYPE
ORGANIZATION
TITLE

Johansen, K., et al.

PUBLISH

govt

DATE

Atomic Energy of Canada Limited.

SECOND INTERIM ASSESSMENT OF THE CANADIAN CONCEPT FOR NUCLEAR FUEL WASTE DISPOSAL, VOLUME 3: PRE-CLOSURE ASSESSMENT.

AECL Report - 8373-3.

85/00/00

ABSTRACT
KEYWORDS
LOCATION
REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES: monitoring.

NFW 2.2-10-10

AUTHOR
TYPE
ORGANIZATION
TITLE

Wuschke, D.M., et al.

PUBLISH

govt

DATE

Atomic Energy of Canada Limited.

ABSTRACT

SECOND INTERIM ASSESSMENT OF THE CANADIAN CONCEPT FOR NUCLEAR FUEL WASTE DISPOSAL, VOLUME 4: POST-CLOSURE ASSESSMENT.

KEYWORDS

1985. AECL - 8373-4.

LOCATION

85/00/00

REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES: monitoring.

NFW 2.2-10-11

AUTHOR
TYPE
ORGANIZATION
TITLE

Wuschke, D.M.; Gillespie, P.A.; Main, D.E.

PUBLISH

govt

DATE

Atomic Energy of Canada Limited.

SECOND INTERIM ASSESSMENT OF THE CANADIAN CONCEPT FOR NUCLEAR FUEL WASTE DISPOSAL, VOLUME 1: SUMMARY.

1985. AECL 8373-1.

85/00/00

ABSTRACT
KEYWORDS
LOCATION
REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES:

NFW 2.2-10-8

AUTHOR
TYPE
ORGANIZATION
TITLE

govt
Atomic Energy Control Board. (Canada).
SEMI-ANNUAL STATUS REPORT OF THE CANADIAN NUCLEAR FUEL
WASTE MANAGEMENT PROGRAM: 1986 OCTOBER 1 - 1987 MARCH
31.(IN FRENCH AND ENGLISH).

PUBLISH

Whiteshell Nuclear Research Establishment. Pinawa,
Manitoba. 1987. 135 p. TR-425-2.
87/00/00

DATE
ABSTRACT

The work of the Canadian Nuclear Fuel Waste Management
Program is detailed for the dates provided.

KEYWORDS
LOCATION
REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES:

NFW 2.2-10-3

AUTHOR
TYPE
ORGANIZATION
TITLE

govt
Atomic Energy Control Board. (Canada).
SEMI-ANNUAL STATUS REPORT OF THE CANADIAN NUCLEAR FUEL
WASTE MANAGEMENT PROGRAM: 1987 APRIL 1 - SEPTEMBER
30(IN FRENCH AND ENGLISH).

PUBLISH

Whiteshell Nuclear Research Establishment. Pinawa,

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Manitoba. 1988. 172 p. TR-425-3.

88/00/00

The work of the Canadian Nuclear Fuel Waste Management
Program is detailed for the dates provided.

DISPOSAL AND STORAGE ALTERNATIVES:

NFW 2.2-10-4

AUTHOR
TYPE
ORGANIZATION
TITLE

govt
Atomic Energy Control Board. (Canada).
SEMI-ANNUAL STATUS REPORT OF THE CANADIAN NUCLEAR FUEL
WASTE MANAGEMENT PROGRAM: 1987 OCTOBER 1 - 1988 MARCH
31.

PUBLISH

Whiteshell Nuclear Research Establishment. Pinawa,
Manitoba. 1988. 201 p. TR-425-4.

DATE
ABSTRACT

88/00/00

The work of the Canadian Nuclear Fuel Waste Management
Program is detailed for the dates provided.

KEYWORDS
LOCATION
REFERENCE

DISPOSAL AND STORAGE ALTERNATIVES:

NFW 2.2-10-5

AUTHOR
TYPE
ORGANIZATION
TITLE

Hooper, E.W. (ed.).

govt

UKAEA Atomic Energy Research Establishment.
SEMINAR ON LONG TERM RESEARCH INTO LIQUID EFFLUENT
TREATMENT.

PUBLISH

Feb 1987. 26 p.

DATE
ABSTRACT

87/02/00

The purpose of the meeting was to provide an
opportunity for people working in the field of liquid
effluent treatment to obtain up-to-date information on
the nature and status of research being carried out in

KEYWORDS	the United Kingdom.
LOCATION	DISPOSAL AND STORAGE ALTERNATIVES:
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	
TITLE	SFR: SWEDEN'S FINAL REPOSITORY FOR REACTOR WASTE.
PUBLISH	Inst. Mining & Metallurgy Trans A., April 1986. V. 95
DATE	p. 87-92.
ABSTRACT	86/04/00
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	Storck, R. (Gesellschaft fuer Strahlen und
TYPE	Umweltforschung M.B.H., Muenchen, Braunschweig, Germany,
ORGANIZATION	F.R. Inst. fuer Tieflagerung)
TITLE	Technische Univ. Muenchen, Garching, Germany, F.R.
PUBLISH	Inst. fuer Radiochemie; Commission of the European
DATE	Communities, Brussels, (Belgium).
ABSTRACT	SITE SPECIFIC PERFORMANCE ASSESSMENTS FOR NUCLEAR WASTE
KEYWORDS	REPOSITORIES IN GERMANY. (REFERENCE SCENARIOS FOR
LOCATION	GORLEBEN, KONRAD AND ASSE FOR POST-OPERATIONAL PHASE.)
REFERENCE	P. 149. Chemistry and Migration Behavior of Actinides
	and Fission Products in the Geosphere. Abstracts.
	1987. 196 p.
	87/00/00
	Published in summary form only.
	DISPOSAL AND STORAGE ALTERNATIVES: radionuclide
	migration.
AUTHOR	Jardine, L.J.; Lipps, D.J.; Miller, D.D.
TYPE	priv/govt
ORGANIZATION	Betchtel National, Inc. San Francisco, CA; Sandia
TITLE	National Lab. NM (USA).
PUBLISH	SITE-GENERATED WASTE TREATMENT AND DISPOSAL STUDY.
DATE	October 1987. 225 p.
ABSTRACT	87/10/00
	Secondary radioactive wastes will be generated during
	the normal operation of the Yucca mountain nuclear
	waste repository. Recommendations are given for the
	preferred waste treatment and disposal options based
	on these comparisons of the various alternatives.
	DISPOSAL AND STORAGE ALTERNATIVES:
KEYWORDS	
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria).
TITLE	SITING, DESIGN AND CONSTRUCTION OF UNDERGROUND
PUBLISH	REPOSITORIES FOR RADIOACTIVE WASTES.
DATE	Proceedings of a Symposium, March 3-7, 1986. 727 p.
ABSTRACT	86/03/00

KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: siting, design, international.
LOCATION REFERENCE	
AUTHOR TYPE ORGANIZATION TITLE	govt SMECTITE DEHYDRATION AND STABILITY APPLICATIONS TO
PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	RADIOACTIVE WASTE ISOLATION AT YUCCA MOUNTAIN, NEVADA. LANL Report 11023-MS. March 1988. 32 p. 88/03/00 DISPOSAL AND STORAGE ALTERNATIVES:
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Forsberg, C.W. govt Oak Ridge National Lab. TN (USA). SOURCES, HAZARDS AND DISPOSAL METHODS FOR RADIOACTIVE WASTES. 1987. 27 p. 87/00/00 This brief report contains only viewgraphs from a lecture on radioactive wastes presented as part of the Oak Ridge Associated Universities traveling lecture program.
KEYWORDS LOCATION REFERENCE	DISPOSAL AND STORAGE ALTERNATIVES: risk analysis.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Godlewski, N.Z. SPENT-FUEL STORAGE -- AN UPDATE. Nuclear News, March 1987: 44-46. 87/03/00 DISPOSAL AND STORAGE ALTERNATIVES:
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Willis, William F. priv Tennessee Valley Authority. (USA). STATEMENT BEFORE THE MONITORED RETRIEVABLE STORAGE COMMISSION. Atlanta, January, 1989, 11pp. 89/01/17 Opposes the Monitored Retrievable Storage plan as a link in the waste disposal program. On-site storage alternatives are more attractive from both cost and systems efficiency standpoints. Many utilities would be forced to develop additional on-site storage capacity with or without an MRS. On-site storage systems could provide the same advantages which DOE claims for the MRS.
KEYWORDS LOCATION	DISPOSAL AND STORAGE ALTERNATIVES: economics, retrieval.

REFERENCE	anne
AUTHOR	Johnsrud, Judith H.
TYPE	assoc
ORGANIZATION	Environmental Coalition on Nuclear Power; Food and Water, Inc. (USA).
TITLE	STATEMENT BEFORE THE MONITORED RETRIEVABLE STORAGE (MRS) REVIEW COMMISSION ON EVALUATION OF THE NEED FOR A MONITORED RETRIEVABLE STORAGE FACILITY.
PUBLISH DATE	Washington, D.C., December, 1988, 8pp.
ABSTRACT	88/12/01 Presents a strong case against construction of an MRS facility based on a variety of concerns including public health and safety, environmental impacts, safeguards, reliability of a national waste disposal system, comparative cost issues, MRS as a de facto permanent repository. Recommends comprehensive changes to the Atomic Energy Act.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: retrieval, health, social impacts.
LOCATION REFERENCE	anne
AUTHOR	Fehring, D.; Boyle, R.
TYPE	govt
ORGANIZATION	US Nuclear Regulatory Commission. Washington, DC (USA).
TITLE	STATUS OF NRC RULEMAKING FOR HIGH-LEVEL RADIOACTIVE WASTE DISPOSAL.
PUBLISH DATE	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dept. 1987. p. 315-318.
ABSTRACT	87/00/00 The Nuclear Regulatory Commission has initiated four rulemakings to disposal of high-level radioactive wastes in a deep geologic repository: implementation of the provisions of the Nuclear Waste Policy Act; revision of the Commission's responsibilities under the national environmental policy act; adoption of the high-level waste standards promulgated by the US Environmental Protection Agency, and; definition of the term 'high-level radioactive waste'.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: policy and administration.
LOCATION REFERENCE	
AUTHOR	Grimm, Eckhardt
TYPE	acad
ORGANIZATION	Institut für Geographie und Wirtschaftsgeographie, Universität Hamburg. (FRG).
TITLE	STELLUNGNAHME IN AUFTRAG DES AUSSCHUSS FÜR UMWELT,

PUBLISH DATE ABSTRACT	NATURSCHUTZ UND REAKTORSICHERHEIT DES DEUTSCHEN BUNDESTAGES. (in German). Hamburg, March, 1988, 24pp. 88/03/00 Report for the Greens and the SPD hearings on Nature, Environmental Protection and Reactor Safety regarding radioactive waste disposal in Germany. No adequate solution has yet been found that will guarantee isolation of the wastes for the required times. Reviews the international situation. DISPOSAL AND STORAGE ALTERNATIVES: international.
KEYWORDS LOCATION REFERENCE	anne
AUTHOR	Barkenbus, Jack N. (Institute for Energy Analysis, Oak Ridge Associated Universities); Weinberg, Alvin M; Alonso, Marcelo (Florida Institute of Technology, Melbourne) acad
TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	STORING THE WORLD'S SPENT NUCLEAR FUEL. Bulletin of the Atomic Scientists, November, 1985, 4pp. 85/11/00 Argues that the U.S. could provide a "take back" service for long-term storage of spent nuclear fuel from other countries, and at the same time reduce the risk of proliferation. This scheme could also be financially profitable as some states are eager to unload their spent fuel, and could provide a needed boost to nuclear power generation. DISPOSAL AND STORAGE ALTERNATIVES:
KEYWORDS LOCATION REFERENCE	anne
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Ligothke, M.H. govt Pacific Northwest Lab. WA (USA). SURFACE STABILITY TEST PLAN FOR PROTECTIVE BARRIERS. Jan. 1989. 48 p. 89/01/00 Natural material protective barriers for long-term isolation of buried waste have been identified as integral components of a plan to isolate a number of Hanford waste sites. Standards currently being developed for internal and external barrier performance will mandate a barrier surface layer that is resistant to the eolian erosion processes of wind erosion and windborne particle deposition. Data from these studies will provide information for use in the evaluation of selected surface layers as a means of providing stable cover over waste sites throughout the design life span of protective barriers.
KEYWORDS LOCATION REFERENCE	DISPOSAL AND STORAGE ALTERNATIVES:
AUTHOR TYPE ORGANIZATION TITLE	govt Battelle Pacific Northwest Lab. WA (USA). SYSTEMS IMPACTS OF SPENT FUEL DISASSEMBLY ALTERNATIVES.

PUBLISH	Battelle Memorial Institute Report ONWI-534. July 1984.
DATE	242 p.
ABSTRACT	84/07/00 Three studies were conducted to evaluate four alternatives to the disposal of intact spent fuel assemblies in a geologic repository. The four alternatives waste forms considered were: end fitting removal, fission gas venting, disassembly and close packing and shearing/immobilization.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	Parker, F.L.; Kasperson, R.E.; Andersson, T.L.; Parker, S.A. (Beijer Inst., Stockholm, Sweden)
TYPE	acad
ORGANIZATION	National Board for Spent Nuclear Fuel, Stockholm, (Sweden).
TITLE	TECHNICAL AND SOCIO-POLITICAL ISSUES IN RADIOACTIVE WASTE DISPOSAL 1986. VOL. 1. SAFETY, SITING AND INTERIM STORAGE.
PUBLISH	November 1987. 201 p.
DATE	87/11/00
ABSTRACT	The purpose of the study was to provide an integrated technical and socio-political analysis of how six countries have responded to four key issues in radioactive waste management: A) What constitutes 'safe' or 'absolutely safe' disposal, B) Site selection processes, C) Timing and type of interim storage.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: safety analysis, siting, international.
LOCATION	
REFERENCE	
AUTHOR	Lowery, Leon
TYPE	assoc
ORGANIZATION	Environmental Action. (USA).
TITLE	TESTIMONY BEFORE THE MONITORED RETRIEVABLE STORAGE REVIEW COMMISSION.
PUBLISH	Washington, D.C, December, 1988, 6pp.
DATE	88/12/02
ABSTRACT	Opposes the construction of a centralized Monitored Retrievable Storage system. The MRS would likely
KEYWORDS	become a de facto repository, it increases the risk to worker and public safety, increases the load on the transportation system and adds cost to the system. Recommends the alternative of at-reactor dry cask storage.
LOCATION	DISPOSAL AND STORAGE ALTERNATIVES: retrieval, transport, occupational exposure.
REFERENCE	Environmental Action, 1525 New Hampshire Ave. NW. Washington, D.C. 20036
AUTHOR	Mazur, Donald W.
TYPE	priv
ORGANIZATION	Washington Public Power Supply System. (USA).
TITLE	TESTIMONY BEFORE THE MONITORED RETRIEVABLE STORAGE COMMISSION.
PUBLISH	January, 1989, 6pp.

DATE
ABSTRACT

89/01/09

Opposes the Monitored Retrievable Storage step in the waste disposal system on the basis that it promotes redundancy in the system and adds to costs and public apprehension of risks. Also, that it will divert efforts needed to complete a final geologic repository as mandated by U.S. law. Proposes additional on-site dry cask storage as an alternative. Proposes that the additional costs incurred be paid by DOE since it has reneged on contractual obligations to accept spent fuel in 1998.

DISPOSAL AND STORAGE ALTERNATIVES: retrieval.

KEYWORDS
LOCATION
REFERENCE

anne

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Hoyle, Janet M.

assoc

Blue Ridge Environmental Defense League. (USA).

TESTIMONY TO THE MRS REVIEW COMMISSION.

Atlanta, February, 1989, 5pp.

89/02/16

Opposes the Monitored Retrievable Storage concept on the grounds of increased health risks, increased transportation of waste, inadequate emergency preparedness, and the possibility that MRS would become a de facto repository. Advocates on-site dry cask storage as an alternative. Points out the necessity of strict Congressional restrictions on waste facilities and the necessity of public confidence in the waste management agency.

DISPOSAL AND STORAGE ALTERNATIVES: retrieval, risk analysis.

KEYWORDS
LOCATION
REFERENCE

P.O.Box 88, Glendale Springs, North Carolina 28629

anne

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

acad

THE "SOURCE TERM" FOR SAFETY ASSESSMENTS OF THE DISPOSAL OF VITRIFIED HIGH-LEVEL RADIOACTIVE WASTE. Nuclear Waste Management Symposium. Stockholm (Sweden). Sept. 9-11, 1985. p. 493.

85/09/00

DISPOSAL AND STORAGE ALTERNATIVES: safety analysis.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Fiorentini, P. (ENEA, Rome, Italy); Savelli, D. (Rome Univ., Italy).

THE BACK END OF THE IRRADIATED FUEL CYCLE IN NUCLEAR POWER PLANTS. (in Italian)

Energ. Nucl. Rome. 1987. V. 4(3) P. 71-94.

87/00/00

Spent nuclear fuel management is considered from its discharge from reactor to high-level waste disposal.

DISPOSAL AND STORAGE ALTERNATIVES:

AUTHOR	Burnett, N.C.; Hooton, R.D.; Heimann, R.B.; Onofrei, M.
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Limited.
TITLE	THE DEVELOPMENT OF DURABLE CEMENTITIOUS MATERIALS FOR USE IN A NUCLEAR FUEL WASTE DISPOSAL FACILITY.
PUBLISH	8 p. (1985). Reprinted from Materials Research Society Symposia Proceedings 50, Scientific Basis for Nuclear Waste Management IX, p. 461-468, 1985.
DATE	85/00/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: containment, cement.
LOCATION	
REFERENCE	
AUTHOR	Parker, F.L., et al.
TYPE	govt
ORGANIZATION	Naemden foer Hantering av Anvaent Kaernbraensle (NAK).
TITLE	THE DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE. VOLUME 2.
PUBLISH	1984. 209 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	George, D. (Nuclear Industry Radioactive Waste Executive, Harwell); Tasker, P.W. (UKAEA Harwell Lab. Theoretical Physics Div.)
TYPE	
ORGANIZATION	
TITLE	THE DISPOSAL R AND D PROGRAMME OF UK NIREX LTD.
PUBLISH	Nucl. Eng. March-April 1988. V. 29(2) P. 52-56.
DATE	88/03-04/00
ABSTRACT	The paper presents an overview of the radioactive waste disposal research and development programme of United Kingdoms Nirex Ltd. The programme primarily concerns the long-term safety of a repository underground, or under the sea-bed, for the radioactive waste.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: geologic disposal, marine disposal.
LOCATION	
REFERENCE	
AUTHOR	Graham, J.
TYPE	govt
ORGANIZATION	
TITLE	THE DOE HLW PROGRAM: ROUGH SLEDDING AHEAD.
PUBLISH	Nuclear News, March 1987: 44-46.
DATE	87/03/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: policy and administration.
LOCATION	
REFERENCE	
AUTHOR	Todorovic, M. (Inst. za Nuklearne Nauke Boris Kidric, Belgrade, Yugo.); Gal, I.J. (Belgrade Univ., Yugo.); Bruecher, H. (Kernforschungsanlage Juelich Technologie der Nuklearen Entsorgung).
TYPE	acad

ORGANIZATION	
TITLE	THE EXCHANGE OF TRITIATED WATER BETWEEN NATURAL ZEOLITE
	ANALIME AND SURROUNDING WATER.
PUBLISH	Radioact. Waste Manag. Nucl. Fuel Cycle. November 1987.
	V.8(4) P.339-346.
DATE	87/11/00
ABSTRACT	Natural zeolite analcime has been considered as a
	possible sorbent and storage material for tritiated
	water.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	

AUTHOR	West, J.M.; McKinley, I.G.
TYPE	acad
ORGANIZATION	
TITLE	THE GEOMICROBIOLOGY OF NUCLEAR WASTE DISPOSAL.

PUBLISH	Materials Research Society Symposia Proceedings 26:
	487-494.
DATE	84/00/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	

AUTHOR	Chudleigh, Renee; Cannell, Willian
TYPE	assoc
ORGANIZATION	Friends of the Earth. (UK).
TITLE	THE GRAVEDIGGERS' DILEMMA.
PUBLISH	F.O.E Trust Books, London, 1985, 87pp.
DATE	85/00/00
ABSTRACT	A guide for "the curious, the perplexed and the irate"
	on all aspects of radioactive waste disposal.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: education.
LOCATION	FOE, 26-28 Underwood St. London, N1 7JQ, U.K.
REFERENCE	anne

AUTHOR	Colglazier, W.E.
TYPE	acad
ORGANIZATION	
TITLE	THE MRS: AN ASSESSMENT OF ITS NEED AND FEASIBILITY.
PUBLISH	Forum for Applied Research and Public Policy. Spring
	1986 p. 26-37.
DATE	86/05/00
ABSTRACT	This paper describes the work done by a research team
	in Tennessee which examined the need and feasibility
	of the Monitered Retrievable Storage.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: siting.
LOCATION	
REFERENCE	NFW 2.2-10-12

AUTHOR	Weber, Isabelle P; Wiltshire, Susan D.
TYPE	priv
ORGANIZATION	The League of Women Voters Education Fund.
TITLE	THE NUCLEAR WASTE PRIMER: A HANDBOOK FOR CITIZENS.
PUBLISH	New York, NY. Doubleday and Co., Inc., 1987. 96 p.;
	Schocken Books, New York, 1985, 90pp.
DATE	87/00/00
ABSTRACT	A sourcebook of facts about the production of nuclear
	waste and radioactive materials, this volume looks at
	the debate over safe storage, transportation, and

KEYWORDS	disposal of hazardous radioactive materials.
LOCATION	DISPOSAL AND STORAGE ALTERNATIVES: transport, safety
REFERENCE	analysis.
AUTHOR	Harmon, L.H.
TYPE	govt
ORGANIZATION	
TITLE	THE RADIOACTIVE WASTE DISPOSAL PROBLEM HAS A SOLUTION: THE WASTE ISOLATION PILOT PLANT PROJECT.
PUBLISH	J. Inst. Nuclear Materials Management. V. 13. p. 21-25.
DATE	
ABSTRACT	The Waste Isolation Pilot Plant Project will provide and R&D facility to demonstrate the safe disposal of radioactive waste.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	Burholt, G.D.; Martin, A. (Associated Nuclear Services, Epsom, UK)
TYPE	
ORGANIZATION	Commission of the European Communities, Luxembourg.
TITLE	THE REGULATORY FRAMEWORK FOR STORAGE AND DISPOSAL OF RADIOACTIVE WASTE IN THE MEMBER STATES OF THE EUROPEAN COMMUNITY.
PUBLISH	London, UK. Graham and Trotman. 1988. 130 p. Radioactive Waste Management Series.
DATE	88/00/00
ABSTRACT	The purpose of the study is to collate information and to summarize the present situation with regard to the regulatory framework for the storage and disposal of radioactive waste in each of the member countries of the European Community together with several important countries outside the community.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: international.
LOCATION	
REFERENCE	
AUTHOR	Biddle, P.; Rees, J.H. (UKAEA Atomic Energy Research Establishment, Harwell)
TYPE	
ORGANIZATION	Technische Univ. Muenchen, Garching, Germany, F.R. Inst. fuer Radiochemie; Commission of the European Communities, Brussels, (Belgium).
TITLE	THE ROLE OF EQUILIBRIUM LEACH TESTING IN UNDERSTANDING THE BEHAVIOR OF NUCLEAR WASTES UNDER DISPOSAL CONDITIONS.
PUBLISH	P. 91-92. Chemistry and Migration Behavior of Actinides and Fission Products in the Geosphere. Abstracts. 1987. 196 p.
DATE	87/00/00
ABSTRACT	Published in summary form only.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: leaching.
LOCATION	
REFERENCE	
AUTHOR	Papp, R.
TYPE	govt

ORGANIZATION	Nuclear Research Center. (FRG).
TITLE	THE TECHNICAL CONCEPTS FOR THE FRG ALTERNATIVE FUEL CYCLE EVALUATION (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).
PUBLISH	Waste Management Conference 1984. Tucson, AZ (USA). March 11-15, 1984. V. 1, p. 69-77.
DATE	84/03/00
ABSTRACT	Alternative concepts for the direct disposal of radioactive wastes in West Germany are profiled. Nine methods of spent fuel element treatment are under investigation, and canisters of different design are being studied.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: containment.
LOCATION	
REFERENCE	
AUTHOR	Baumgartner, P.
TYPE	assoc
ORGANIZATION	Canadian Nuclear Society. (Canada).
TITLE	THE USED FUEL DISPOSAL CENTER STUDY: STUDY PLAN AND TECHNICAL SPECIFICATIONS.
PUBLISH	Canadian Nuclear Society 2nd International Conference on Radioactive Waste Management. Sept. 7-11, 1986. p. 427-431.
DATE	86/09/00
ABSTRACT	
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	
AUTHOR	Baker, J.W. (Nuclear Industry Radioactive Waste Executive, Harwell, UK)
TYPE	
ORGANIZATION	
TITLE	THINKING DEEP- WASTE DISPOSAL PLANS.
PUBLISH	Nucl. Eur. May 1988. V.8(5) p.24-25.
DATE	88/05/00
ABSTRACT	The Nuclear Industry Radioactive Waste Executive is planning the development of a single deep underground disposal facility which could come into use soon after the turn of the century and be operational for 50 or 60 years. Three repository concepts are currently being considered: under land disposal in a purpose-built simple mine arrangement; under seabed disposal with access from the coast through tunnels; and sub-seabed disposal from either a rig structure or an artificial island.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: geologic disposal, marine disposal, other alternatives.
LOCATION	
REFERENCE	

AUTHOR	Ayers, A.L.
TYPE	priv
ORGANIZATION	EG & G Idaho, Inc. ID (USA).
TITLE	TMI ABNORMAL WASTES DISPOSAL OPTIONS (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).
PUBLISH	Waste Management Conference 1984. Tucson, AZ (USA).
DATE	March 11-15, 1984. V. 1, p. 585-590.
ABSTRACT	84/03/00 Three options for the storage of high-level radioactive wastes from Three Mile Island are examined: storage in temporary casks; underground storage in vaults; storage in silos at a hot shop.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	

AUTHOR	Kroebel, R.H.; Kraemer, R.H.
TYPE	govt
ORGANIZATION	Karlsruhe G.M.B.H. (FRG).
TITLE	TREATMENT AND CONDITIONING OF WASTES FROM REPROCESSING.
PUBLISH	Nuclear Technology International 1987. (UK). Sterling Publications Ltd., 1987. 264 p. p. 197-198.
DATE	87/00/00
ABSTRACT	Research is being carried out on the feasibility of disposing of spent fuel elements directly as opposed to Germany's preferred method of reprocessing. The main waste treatment and processing plant and pilot reprocessing plant provide the operational experience for other reprocessing and waste treatment facilities planned.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION	
REFERENCE	

AUTHOR	
TYPE	priv
ORGANIZATION	Westinghouse Electric Corp. NM (USA).
TITLE	TRU (TRANSURANIC) WASTE CERTIFICATION COMPLIANCE REQUIREMENTS FOR ACCEPTANCE OF CONTACT-HANDLED WASTES RETRIEVED FROM STORAGE TO BE SHIPPED TO THE WASTE ISOLATION PILOT PLANT: REVISION 2.
PUBLISH	Jan. 1989. 38 p.
DATE	89/01/00
ABSTRACT	Compliance requirements are presented for certifying that unclassified contact-handled transuranic solid defence wastes retrieved from storage at DOE sites meet the WIPP criteria. The compliance requirements are divided into four sections: General Requirements, Waste Container Requirements, Waste Form Requirements, and Waste Package Requirements.
KEYWORDS	DISPOSAL AND STORAGE ALTERNATIVES: retrieval, regulations.
LOCATION	
REFERENCE	

LOCATION	
REFERENCE	
AUTHOR	Clapp, R.B.; Van Hoesen S.D.
TYPE	govt
ORGANIZATION	Oak Ridge National Lab. TN (USA).
TITLE	TUMULUS DISPOSAL DEMONSTRATION FACILITY FOR THE OAK RIDGE RESERVATION.
PUBLISH	28 June 1987. 15 p.

DATE
ABSTRACT

87/06/28

This disposal concept is based on the Tumulus design developed by the French. Waste units are stacked above-grade on a concrete pad. The facility currently under development at the Oak Ridge National Lab. involves sealing waste in concrete vaults, placing the vaults on a grade level concrete pad, and covering the pad and vaults with a soil cover after vault emplacement is complete.

DISPOSAL AND STORAGE ALTERNATIVES:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

media

UNDERGROUND N-WASTE STORAGE SOLUTION PREDICTED.
Winnipeg Free Press, Jan. 9, 1986. p. 12.
86/01/09

DISPOSAL AND STORAGE ALTERNATIVES:

AUTHOR
TYPE
ORGANIZATION

Robinson, R.A.; Bulut, N.
govt

US DOE Office of Civilian Radioactive Waste Management, Washington, DC (USA).

TITLE

US JOINT PROGRAMS WITH SWEDEN AND CANADA: CRYSTALLINE ROCK.

PUBLISH

Proceedings of the 1983 Civilian Radioactive Waste Management Information Meeting., Feb. 1984. p. 227-230.

DATE
ABSTRACT

84/02/00

The key objectives of the DOE waste management program in pursuing cooperation or exchange activities with other countries are: to cooperate with and provide technical assistance to non-nuclear weapon states in the field of spent fuel storage and disposal in accordance with the Nuclear Waste Policy Act of 1982, Sec. 223.; to promote international consensus on the disposal and isolation of high-level nuclear wastes; to secure access to facilities, equipment,

KEYWORDS
LOCATION
REFERENCE

information, and unique capabilities of the other countries.

DISPOSAL AND STORAGE ALTERNATIVES: international.

AUTHOR
TYPE
ORGANIZATION
TITLE

Post, R.G.

PUBLISH

WASTE MANAGEMENT '87: WASTE ISOLATION IN THE US, TECHNICAL PROGRAMS, AND PUBLIC EDUCATION.
Tucson, AZ. Univ. of Arizona Nuclear Engineering Dept. 1987. 700 p. V. 1-General Interest.
87/00/00

DATE
ABSTRACT

This book contains papers presented at a conference on waste isolation in the US.

KEYWORDS
LOCATION

DISPOSAL AND STORAGE ALTERNATIVES:

REFERENCE

AUTHOR | Vieser, H.
TYPE | priv
ORGANIZATION |
TITLE | WHERE CAN ATOMIC WASTE BE PUT:...INTO A SALT DOME, INTO
AN ORE MINE. (In German)
PUBLISH | Bild Wiss. April 1988. V.25(4) P.94-124.
DATE | 88/04/00
ABSTRACT | In the Federal Republic of Germany there are two
possible places for the final storage of weak
radioactive waste.
KEYWORDS | DISPOSAL AND STORAGE OPTIONS: international, salt,
geology.

LOCATION
REFERENCE

AUTHOR | Tillman, J.B.; Hunt, A.E.
TYPE |
ORGANIZATION |
TITLE | WIPP: PROGRAM STATUS AND FY 1988 PLANS FOR A SUCCESSFUL
NUCLEAR WASTE REPOSITORY.
PUBLISH | Proceedings of the Symposium on Waste Management.
Tucson, Arizona. Feb 3-March 28, 1988. V. II -
High-level Waste and General Interest. p. 341-347.
DATE | 88/03/00
ABSTRACT |
KEYWORDS | DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION |
REFERENCE |

AUTHOR | Wright, E.D.(ed.).
TYPE | govt
ORGANIZATION | Atomic Energy Control Board(Canada).

TITLE | SEMI-ANNUAL STATUS REPORT OF THE CANADIAN NUCLEAR FUEL
WASTE MANAGEMENT PROGRAM: 1988 OCTOBER 1- 1989 MARCH
31.
PUBLISH | Whiteshell Nuclear Research Establishment. Pinawa,
Manitoba. 1989. 164 p. TR-425-6
DATE | 89/00/00
ABSTRACT | The work of the Canadian Nuclear Fuel Waste Management
Program is detailed for the dates provided.
KEYWORDS | DISPOSAL AND STORAGE ALTERNATIVES:
LOCATION |
REFERENCE | NFW 2.2-10-7

AUTHOR | Onshore Disposal Committee
TYPE | govt
ORGANIZATION | Onshore Disposal Committee
TITLE | PROPOSAL FOR A RESEARCH PROGRAMME ON GEOLOGICAL
DISPOSAL OF RADIOACTIVE WASTE IN THE NETHERLANDS.
PUBLISH | Ministry of Economic Affairs, The Hague
DATE | 84/06/00
ABSTRACT | Proposes a research programme relating to geological
disposal of radioactive waste.
KEYWORDS | DISPOSAL AND STORAGE ALTERNATIVES: international.
LOCATION |
REFERENCE | NFW 2.2-10-16

AUTHOR	Bonne, A.; Heremans, R.
TYPE	acad
ORGANIZATION	
TITLE	A DECADE OF RESEARCH AND DEVELOPMENT STUDIES ON THE DISPOSAL OF THE HIGH-LEVEL AND ALPHA-BEARING WASTE IN A DEEP CLAY FORMATION.
PUBLISH	Radioactive Waste Management and the Nuclear Fuel Cycle. V. 6(3-4). Dec. 1985. p. 277-291.
DATE	85/12/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: clay.
LOCATION	
REFERENCE	

AUTHOR	assoc
TYPE	Commission of the European Communities, Luxembourg.
ORGANIZATION	A FEASIBILITY STUDY FOR THE DESIGN OF A SIMULATED RADIOACTIVE WASTE REPOSITORY FACILITY. VOLUME 2 - FIGURE AND TABLES.
TITLE	1987. 76 p.
PUBLISH	87/00/00
DATE	This report is in two volumes: volume 1 contains the main text and the references, and volume 2, all the figures and tables. The great majority of published concepts for the disposal of heat generating radioactive waste envisage the emplacement of wastes packages in boreholes backfilled with an engineered material described as the buffer.
ABSTRACT	GEOLOGIC DISPOSAL: backfill.
KEYWORDS	
LOCATION	
REFERENCE	

AUTHOR	Mott; Hay; Anderson.
TYPE	Commission of the European Communities, Luxembourg.
ORGANIZATION	A FEASIBILITY STUDY FOR THE DESIGN OF A SIMULATED RADIOACTIVE WASTE REPOSITORY FACILITY. VOLUME 1 TEXT-REFERENCES.
TITLE	1987. 139 p.
PUBLISH	87/00/00
DATE	The report is in two volumes: volume 1 contains the main text and the references, and volume 2, all the figures and tables. The great majority of published concepts for the disposal of heat generating radioactive waste envisage the emplacement of waste packages in boreholes backfilled with an engineered material described as the buffer.
ABSTRACT	GEOLOGIC DISPOSAL: engineering, backfill.
KEYWORDS	
LOCATION	
REFERENCE	

AUTHOR	Ross, B.
TYPE	priv
ORGANIZATION	Disposal Safety, Inc., Washington, DC (USA).
TITLE	A FIRST SURVEY OF DISRUPTION SCENARIOS FOR A HIGH-LEVEL

PUBLISH
DATE
ABSTRACT

WASTE REPOSITORY AT YUCCA MOUNTAIN, NEVADA: NEVADA
NUCLEAR WASTE STORAGE INVESTIGATIONS PROJECT. (NNWSI)
December 1987. 147 p.
87/12/00

A high-level waste repository located in unsaturated welded tuff at Yucca Mountain Nevada, would rely on six different, although not entirely independant, barriers to prevent escape of radioactivity. These barriers are the waste canister, fuel cladding, dissolution of the spent fuel itself, and movement of released contaminants in the unsaturated Topopah Spring Welded Tuff unit, the unsaturated Calico Hills Nonwelded Tuff unit, and the Saturated tuff aquifer. Fifty-eight processes and events that might affect such a repository were examined.
GEOLOGIC DISPOSAL: containment, analytical techniques.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION

govt
Battelle Memorial Institute, OH (USA). Office of Nuclear Waste Isolation.
A FULL-SCALE BOREHOLE SEALING TEST IN ANHYDRATE UNDER SIMULATED DOWNHOLE CONDITIONS.

TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

May 1986.
86/00/00

GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION

Bell, A.

TITLE
PUBLISH
DATE
ABSTRACT

A NEW APPROACH TO ENTOMBING NUCLEAR WASTE.
Ecos. Winter 1987. No.52. P.3-6.
87/11/00

A method of management for high-level radioactive waste is described. The waste should be buried as part of a thermosyphon loop, within which circulating groundwater would keep it cool and confined. Initial experiments and computer simulations are encouraging and plans are being developed to test the scheme in a simulated repository in granite rock.
GEOLOGIC DISPOSAL: granite.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION

Grossman, D.; Shulman, S.
media

TITLE
PUBLISH
DATE
ABSTRACT

A NUCLEAR DUMP: THE EXPERIMENT BEGINS.
Discover. March 1989. p. 49-56.
89/03/00

The paper discusses the work taking place at Yucca Mountain concerning the geologic disposal of high-level radioactive waste.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: siting.
NFW 2.2-11-7

AUTHOR	Grossman, Dan and Shulman, Seth
TYPE	media
ORGANIZATION	
TITLE	A NUCLEAR DUMP: THE EXPERIMENT BEGINS.
PUBLISH	Discover, March, 1989, 6pp.
DATE	89/03/00
ABSTRACT	Describes the research work underway at Yucca Mountain, Nevada and the decision-making that led up to it. The work is maintaining a strict schedule, but some U.S. Geological Survey members have doubts about the scientific defensibility of the project in light of DOE political objectives. Seismic factors and the geohydrology of the unsaturated rock zone are two of the major geophysical concerns to be studied.
KEYWORDS	GEOLOGIC DISPOSAL: hydrogeology.
LOCATION	
REFERENCE	anne
AUTHOR	
TYPE	govt
ORGANIZATION	
TITLE	A PRELIMINARY ASSESSMENT OF MINERALOGICAL CRITERIA ON THE UTILITY OF ARGILLACEOUS ROCKS AND MINERALS FOR HIGH-LEVEL RADIOACTIVE WASTE DISPOSAL.
PUBLISH	ORNL Report TM-9979, Dec. 1986. 279 p.
DATE	86/12/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Ho, P.C.; Meyer, R.E.
TYPE	govt
ORGANIZATION	Oak Ridge National Lab. TN (USA).
TITLE	A REVIEW OF THE ORGANIC GEOCHEMISTRY OF SHALES.
PUBLISH	June 1987. 48 p.
DATE	87/06/00
ABSTRACT	Shale formations have been suggested as a potential site for a high level nuclear waste repository. As a first step in the study of the possible interaction of nuclides with the organic components of the shales, literature on the identification of organic compounds from various shales of the US has been reviewed.
KEYWORDS	GEOLOGIC DISPOSAL: shale.
LOCATION	
REFERENCE	
AUTHOR	Garisto, N.C.; Leneveu, D.M.
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Limited.
TITLE	A VAULT MODEL FOR THE ASSESSMENT OF USED FUEL DISPOSAL IN CANADA.
PUBLISH	Reprinted from Materials Research Society Symposia Proceedings (1988) 112:313-322.
DATE	88/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	Beale, H.; Davies, A.W.; Lakey, J.R.A.; Lewins, J.D.
TYPE	govt
ORGANIZATION	Nuclear Industry Radioactive Waste Executive, (UK); Royal Naval College, (UK).
TITLE	ALARA CONSIDERATIONS AND RADIOACTIVE WASTE DISPOSAL IN THE UNITED KINGDOM.
PUBLISH	Alara: Principles, Practice and Consequences. Proceedings of the Symposium on Alara - Quantitative optimization techniques for radiation protection in the Nuclear Industry, held by the Institution of Nuclear Engineers, London, 18 September 1986. Bristol (UK). Adam Higler. 1987. 160 p. p. 126-139.
DATE	87/00/00
ABSTRACT	The implications of the Alara principle when applied to the disposal of solid radioactive wastes in the UK are discussed.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	Gale, J.E.
TYPE	govt
ORGANIZATION	Atomic Energy Control Board.
TITLE	AN EVALUATION OF INFORMATION ON VERTICAL CRUSTAL MOVEMENTS PERTAINING TO DEEP DISPOSAL.
PUBLISH	Research Report INFO-0185.
DATE	86/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: geology.
LOCATION	

REFERENCE	
AUTHOR	Dippold, D.G.
TYPE	acad
ORGANIZATION	
TITLE	AN EVALUATION OF PRE-CONCEPTUAL DESIGN OF REPOSITORIES IN CRYSTALLINE ROCK. WASTE MANAGEMENT '84.
PUBLISH	Proceedings of the Symposium on Waste Management, Volume 1, March 11-15, 1984. p 377-382.
DATE	84/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: risk analysis, design, crystalline.
LOCATION	
REFERENCE	

AUTHOR	
TYPE	priv
ORGANIZATION	Dravo Engineers, Inc. CO (USA).
TITLE	AN EVALUATION OF THE EFFECTS OF HORIZONTAL AND VERTICAL EMPLACEMENT ON MINING AT THE YUCCA MOUNTAIN REPOSITORY SITE.
PUBLISH	Sandia National Lab Report 83-7443. Oct. 1984. 96 p.
DATE	84/10/00
ABSTRACT	The effects of two methods of waste canister emplacement on mining at a proposed radioactive waste repository in Yucca Mountain are considered. The two methods entail emplacement of canisters in vertical boreholes drilled in the drift floor and canister emplacement in horizontal boreholes drilled in drift walls.
KEYWORDS	GEOLOGIC DISPOSAL:

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION

TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE

Kuehn, K.
govt
Gesellschaft fuer Strahlen-und Umweltforschung M.B.H.
(FRG).
AN INTERNATIONAL SURVEY OF RADIOACTIVE WASTE DISPOSAL
PROJECTS.
Kerntechnik. Oct-Nov. 1987. V. 51(3) p. 157-160.
87/10/00
Shallow land burial and disposal in geological
formations alternatives are discussed with regards to
research being performed in the US, Canada, Sweden and
France.
GEOLOGIC DISPOSAL: international.

West, J.M.
assoc

ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS

LOCATION
REFERENCE

British Geological Society. (UK).
AN OVERVIEW OF RECENT MICROBIOLOGICAL RESEARCH RELEVANT
TO THE GEOLOGICAL DISPOSAL OF NUCLEAR WASTE.
Radioactive Waste Management & the Nuclear Fuel Cycle.
March 1985. V. 6(1) p. 79-96.
85/03/00
Research on the possible influence of microbial
contamination on the integrity of deep geological
radioactive waste repositories is discussed. The
current status of work in the field is reviewed with
particular reference to the UK geomicrobiology program
and the practical application of resulting data in
repository safety assessment.
GEOLOGIC DISPOSAL: microbiology.

Wang, X.D.
govt
International Atomic Energy Agency. Vienna (Austria).
ANALYSES ON THE PROSPECT OF UNDERGROUND DISPOSAL OF
RADIOACTIVE WASTES FROM NUCLEAR POWER PLANTS IN CHINA.
1984. 8 p.
84/00/00
GEOLOGIC DISPOSAL: international, analytical
techniques.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

Bair, E.S.
acad
The Ohio State University. OH (USA).
ANALYSIS OF HYDRAULIC GRADIENTS ACROSS THE HOST ROCK AT
THE PROPOSED TEXAS PANHANDLE NUCLEAR WASTE REPOSITORY
SITE.
Ground Water. July 1987. V. 25(4) p. 440-447.
87/07/00
Analysis of the direction of groundwater flow across
the host rock at the proposed high-level nuclear waste

KEYWORDS

LOCATION
REFERENCE

repository site in Deaf Smith County, Texas, is complicated by vertical and lateral changes in the density of formation fluids in the various hydrogeologic units that overlie and underlie the proposed host rock. The consequences, and alternative methods of analysis employed, of this condition are examined.
GEOLOGIC DISPOSAL: geology, analytical techniques, groundwater.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

govt

ANNUAL TECHNOLOGY ASSESSMENT AND PROGRESS REPORT FOR THE BURIED TRANSURANIC WASTE STUDIES PROGRAM AT THE IDAHO NATIONAL ENGINEERING LABORATORY.
DOE Report EGG-2483. January 1987. p. 9-89.
87/01/00

GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

govt

APPENDICES (REGION-TO-AREA SCREENING METHODOLOGY FOR THE CRYSTALLINE REPOSITORY PROJECT).
DOE Report CH-1. April 1985. p. A1-277.
85/04/00

State comments on the draft region-to-area screening methodology document prepared by the DOE Crystalline Repository Project are compiled. Topic specific comments address disqualifying factor screenspost and pre-closure guidelines, geologic variables, and environmental factors.
GEOLOGIC DISPOSAL: siting.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

Garisto, N.C.; Jacobs, G.K.; Whatley, S.K.
govt

Oak Ridge National Lab. TN (USA).
APPLICATIONS OF GEOCHEMICAL MODELLING IN THE CANADIAN PROGRAM.

Application of Geochemical models to High-Level Nuclear Waste Repository Assessment: Conference Proceedings.
April 1985.
85/04/00

The CNFWMP is now in a generic concept assessment phase. The concept is based on immobilization of the fuel waste followed by emplacement in an underground vault 500 to 100 ft deep in a stable plutonic rock in the Canadian shield.
GEOLOGIC DISPOSAL:

AUTHOR

Fritz, B. (Centre National de la Recherche

Scientifique, Centre de Sedimentologie et de Geochimie
de la Surface) France
acad

TYPE

ORGANIZATION

TITLE

PUBLISH

DATE

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

AUTHOR

TYPE

ORGANIZATION

TITLE

PUBLISH

DATE

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

AUTHOR

TYPE

ORGANIZATION

TITLE

PUBLISH

DATE

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

AUTHOR

TYPE

ORGANIZATION

Hauptabteilung fur die Sicherheit der Kernalagen (HSK)
Switzerland.

APPRECIATION DES TRAVAUX DE LA CEDRA: LE COMPORTEMENT
ET LA STABILITE DE LA BENTONITE. (in French).

Expertenberichte zum Projekt Gewaehr, January, 1986,
14pp.

86/01/00

While the individual studies of bentonite are useful
background tools, additional studies of possible
interactions within a system utilizing bentonite must
be done. Suggests further testing possibilities.

GEOLOGIC DISPOSAL: backfill

anne

Pigford, T.H.

acad

Lawrence Berkeley Lab. CA (USA).

ASSESSING THE PERFORMANCE OF GEOLOGICAL REPOSITORIES
FOR NUCLEAR WASTE.

1984. 7 p.

84/00/00

GEOLOGIC DISPOSAL:

priv

IT Corp, NM (USA).

ASSESSMENT OF CRUSHED SALT CONSOLIDATION AND FRACTURE
HEALING PROCESSES IN A NUCLEAR WASTE REPOSITORY IN
SALT.

Battelle Memorial Inst. Report ONWI-546. November 1984.
120 p.

84/11/00

Two aspects of salt behaviour are expected to
contribute to favorable conditions for waste isolation
in a nuclear waste repository in salt. Consolidation
of crushed salt backfill may result in a backfill
barrier with low permeability. Fractures created in
the salt by excavation may heal under the influence of
stress and temperature following sealing. The status
of knowledge concerning these phenomena is reviewed.
GEOLOGIC DISPOSAL: salt.

Yong, R.N.; Boonsinsuk, P.; Wong, G.; Ming, X.D.;
Caporuscio, F.; Lytle, P.

govt

Atomic Energy of Canada Limited.

TITLE	BACKFILL FORMULATIONS FOR A NUCLEAR FUEL WASTE DISPOSAL VAULT.
PUBLISH DATE	1987. 90 p. 87/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: backfill.
LOCATION	
REFERENCE	
AUTHOR	Ash, E.B.
TYPE	priv
ORGANIZATION	Rockwell International Corp., (USA).
TITLE	BASALT WASTE ISOLATION PROJECT: STATUS AND ISSUES.
PUBLISH DATE	1984. 30 p. 84/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: basalt.
LOCATION	
REFERENCE	
AUTHOR	govt
TYPE	Office of Nuclear Waste Isolation. (USA).
ORGANIZATION	BIBLIOGRAPHY OF STUDIES FOR THE SALT REPOSITORY PROJECT, OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT PROGRAM, APRIL 1978-SEPTEMBER 1984.
TITLE	Battelle Memorial Institute. 309 p.
PUBLISH DATE	85/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	priv/govt
TYPE	Ontario Hydro. (Canada).
ORGANIZATION	BNPD RADIOACTIVE WASTE OPERATIONS SITE 1 AND 2 SURVEY OF LOCAL GEOLOGIC AND HYDROGEOLOGIC CONDITIONS.
TITLE	1987.
PUBLISH DATE	87/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: geology.
LOCATION	
REFERENCE	
AUTHOR	Penberthy, L.
TYPE	assoc
ORGANIZATION	American Ceramic Society. (USA).
TITLE	BORED TUNNEL STORAGE OF NUCLEAR WASTE.
PUBLISH DATE	Nuclear Waste Management, p. 645-651. 84/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	

TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	BOREHOLE SEALING LITERATURE REVIEW OF PERFORMANCE REQUIREMENTS AND MATERIALS.
PUBLISH	1985. 34 p.
DATE	85/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	La Follette, Bronson C.; Sinderbrand, Carl A.; Thornburg, Lacy H.; Rhodes, S.Thomas; Dowers, Michael J.
TYPE	govt
ORGANIZATION	State of Wisconsin, State of North Carolina, State of Georgia. (USA).
TITLE	BRIEF OF THE STATES OF WISCONSIN, NORTH CAROLINA, AND GEORGIA, AMICI CURIAE, IN SUPPORT OF THE PETITIONERS.
PUBLISH	U.S. Court of Appeals for the First Circuit No. 85-1915. National Resources Defence Council, Inc., Conservation Law Foundation of New England, Environmental Policy Institute, State of Maine, State of Vermont Petitioners vs. U.S. Environmental Protection Agency and the United States of America, respondents.
DATE	86/03/27
ABSTRACT	The States argue that U.S. EPA standards for protection of groundwater against radionuclide contamination from a deep geologic repository are inadequate to protect groundwater sources in those sites, especially with respect to the Safe Drinking Water Act. Discussion of the lack of knowledge of geohydrological regimes in crystalline bedrock.
KEYWORDS	GEOLOGIC DISPOSAL: hydrogeology, health, radionuclide migration.
LOCATION	
REFERENCE	anne
AUTHOR	Ratigan, J.L. (RE/SPEC, Rapid City, SD)
TYPE	priv
ORGANIZATION	Pacific Northwest Lab. NM (USA).
TITLE	BRINE MIGRATION MODELLING AT RE/SPEC.
PUBLISH	p. 25-28, Appendix/C.41-C.46. Proceedings of Salt Repository Project's Workshop on Brine Migration. March 1987.
DATE	87/03/00
ABSTRACT	Emplacement of a radioactive waste package in a borehole in the floor of an underground drift in salt will result in temperature and mean stress in the very-near field of the waste package.
KEYWORDS	GEOLOGIC DISPOSAL: salt.
LOCATION	
REFERENCE	
AUTHOR	Gramberg, J.; Roest, J.P.
TYPE	govt
ORGANIZATION	
TITLE	CATACLASTIC EFFECTS IN ROCK SALT LABORATORY AND IN SITU MEASUREMENTS.
PUBLISH	CEC Report EUR 9258 EN. 1984. 71 p.

DATE	84/00/00
ABSTRACT	Systems of fracturing and cracking in the rock salt, at the Asse II mine, a candidate borehole for radioactive waste disposal, have been studied in the laboratory and in the field.
KEYWORDS	GEOLOGIC DISPOSAL: geology.
LOCATION	
REFERENCE	
AUTHOR	Hancox, W.T.
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Ltd.
TITLE	CLOSING THE CIRCLE: RETURNING USED URANIUM TO THE GEOLOGIC ENVIRONMENT.
PUBLISH	Presented at the CNS International Symposium on Uranium and Electricity. Saskatchewan, Canada. September 18-21, 1988. 6 p.
DATE	88/09/00
ABSTRACT	The disposal of high-level radioactive wastes in a geologic formation are discussed.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	NFW 2.2-11-6
AUTHOR	
TYPE	
ORGANIZATION	
TITLE	COMMENTS ON A LETTER BY GEORGE D. DeBUCHANANNE (US GEOLOGICAL SURVEY) REGARDING THE USE OF SALT DOMES FOR HIGH-LEVEL WASTE DISPOSAL.
PUBLISH	Battelle Memorial Inst. Report ONWI-511. Aug. 1984. 77 p.
DATE	84/00/00
ABSTRACT	A letter to DOE by G.DeBuchananne concluded that subsurface geologic conditions in bedded salt are more predictable and less complex than those in domal salt. This predictability is equated with the relative suitability of bedded and domal salt as a repository
KEYWORDS	host media for high-level radioactive waste.
LOCATION	GEOLOGIC DISPOSAL: salt.
REFERENCE	
AUTHOR	Toth, J. (J.Toth Hydrogeological Consulting, Ltd.)
TYPE	priv
ORGANIZATION	Hauptabteilung für die Sicherheit der Kernanlagen (HSK) Switzerland.
TITLE	COMMENTS ON SELECTED HYDROGEOLOGICAL ASPECTS OF NAGRA'S RADIOACTIVE WASTE DISPOSAL PROJECT GEWAHR.
PUBLISH	Expertenberichte zum Projekt Gewaehr, June, 1986, 48pp.
DATE	86/06/00
ABSTRACT	In general, the work has been done carefully and with great competence, however the necessity of collecting in-situ data is strongly emphasized throughout. Notes that fluid flow discharge areas are generally less suitable for potential repositories than recharge areas. This point has been adopted as a part of basic planning by the Swedish KBS program.
KEYWORDS	GEOLOGIC DISPOSAL: hydrogeology.
LOCATION	
REFERENCE	anne

AUTHOR	Tattenbaum, P.H.
TYPE	acad
ORGANIZATION	University of California. CA (USA).
TITLE	COMMUNICATION ACROSS 300 GENERATIONS: DETERRING HUMAN INTERFERENCE WITH WASTE DEPOSIT SITES.
PUBLISH	Battelle Memorial Institute Report ONWI-535. April 1984. 63 p.
DATE	84/04/00
ABSTRACT	Conditions attendant on the deep land burial of radioactive waste raise a number of possible scenarios to cover the necessary 10,000 years of burial. An information system should be developed indicating the nature and locale of the deposit site for future generations.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Slocum, A.H.; Hou, W.M.; Park, K.; Hochmuth, C.; Thurston, D.C. (Dept. Of Civil Eng., Constructed Facilities Div., Centre for Systems Automation, Massachusetts Institute of Technology, Cambridge, MA)
TYPE	Saperstein, L.W.
ORGANIZATION	acad
TITLE	CONCEPTUAL DESIGNS OF AUTOMATED SYSTEMS FOR UNDERGROUND EMPLACEMENT AND RETRIEVAL OF NUCLEAR WASTE.
PUBLISH	P. 116-123. Proceedings of the 2nd annual International
DATE	Conference on Innovative Mining Systems. New York, NY. American Society of Mechanical Engineers. 1987.
ABSTRACT	87/00/00
KEYWORDS	Innovative mining systems concepts.
LOCATION	GEOLOGIC DISPOSAL: retrieval.
REFERENCE	
AUTHOR	Kocher, D.C.; O'Donnell, F.R.
TYPE	govt
ORGANIZATION	Oak Ridge National Lab. TN (USA).
TITLE	CONSIDERATIONS ON A DE MINIMIS DOSE AND DISPOSAL OF EXEMPT CONCENTRATIONS OF RADIOACTIVE WASTES.
PUBLISH	May 1987. 122 p.
DATE	87/05/00
ABSTRACT	This paper discusses the de minimis dose for members of the general public. Existing methodologies for using a de minimis dose are reviewed to derive exempt concentrations of radionuclides in solide wastes for purposes of disposal, and a methodology for application to disposal on the Oak Ridge Reservation is presented.
KEYWORDS	GEOLOGIC DISPOSAL: health, analytical techniques.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	acad
ORGANIZATION	
TITLE	CONSOLIDATION AND COMPACTION AS A MEANS TO PREVENT SETTLEMENT OF BENTONITE/SANDY SILT MIXES FOR USE IN WASTE DISPOSAL SITES.

PUBLISH	Colorado State University. 8TH Geohydro Waste Mgt. Symposium. CO (USA). Feb. 5-7, 1986. p. 255-265.
DATE	86/02/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: engineering, design.
LOCATION	
REFERENCE	
AUTHOR	Jantzen, C.M.; C.G.Wicks
TYPE	acad
ORGANIZATION	
TITLE	CONTROL OF OXIDATION POTENTIAL FOR BASALT REPOSITORY SIMULATION TESTS.
PUBLISH	Materials Research Society Symposia Proceedings
DATE	44:29-35.
ABSTRACT	85/00/00
KEYWORDS	GEOLOGIC DISPOSAL: basalt, analytical techniques.
LOCATION	
REFERENCE	
AUTHOR	Van Eckhout, E.M.
TYPE	govt
ORGANIZATION	Los Alamos National Lab. NM (USA).
TITLE	CONTROLLED BLASTING AND ITS IMPLICATIONS FOR THE NNWSI PROJECT EXPLORATORY SHAFT.
PUBLISH	September 1987. 38 p.
DATE	87/09/00
ABSTRACT	This report reviews controlled blasting techniques for shaft sinling. Presplitting and smooth blasting are the techniques of principal interest.
KEYWORDS	GEOLOGIC DISPOSAL: engineering.
LOCATION	
REFERENCE	
AUTHOR	Kupfer, M.J.
TYPE	priv
ORGANIZATION	Rockwell International Corp. WA (USA).
TITLE	COSTS AND IMPACTS OF RETRIEVAL AND PROCESSING OF WASTES FROM SELECTED SINGLE-SHELL TANKS.
PUBLISH	Mar 1987. 38 p.
DATE	87/03/00
ABSTRACT	This report determines the costs of retrieval and processing of wastes from selected Hanford site underground single-shell tanks and the impacts of retrieval on waste pretreatment operations, grout, and glass production.
KEYWORDS	GEOLOGIC DISPOSAL: retrieval.
LOCATION	
REFERENCE	
AUTHOR	McDonnell, W.R.
TYPE	priv/govt
ORGANIZATION	E.I. du Pont de Nemours & Co. SC (USA).
TITLE	COSTS FOR DISPOSAL OF SAVANNAH RIVER HIGH-LEVEL WASTE IN A COMMERCIAL REPOSITORY (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).
PUBLISH	Waste Management Conference 1984. Tucson, AZ (USA).
DATE	March 11-15, 1984. V. 1, p. 553-561.
ABSTRACT	84/03/00 Costs for disposal of Savannah high-level radioactive

KEYWORDS	wastes are projected using baseline conceptual designs
LOCATION	for commercial repositories to accomodate waste
REFERENCE	packages in an augmented repository mode.
	GEOLOGIC DISPOSAL: economics.
AUTHOR	Tsang, C.F.
TYPE	priv
ORGANIZATION	
TITLE	COUPLED PROCESSES ASSOCIATED WITH NUCLEAR WASTE
PUBLISH	REPOSITORIES.
DATE	Academic Press Inc., FL (USA). 1987. 802 p.
ABSTRACT	87/00/00 This book deals with coupled processes which affect a nuclear waste repository. While there are many descriptive accounts of environmental degradation resulting from various land uses, the author emphasizes the geomorphic processes responsible for such changes and the reasons why various reclamation practices are valuable in environmental management.
KEYWORDS	GEOLOGIC DISPOSAL: geology.
LOCATION	
REFERENCE	
AUTHOR	Becker, Steven.
TYPE	assoc
ORGANIZATION	Radioactive Waste Campaign. (USA).
TITLE	COURT REJECTS FEDERAL HIGH-LEVEL WASTE RULES.
PUBLISH	The Waste Paper, Fall, 1987, New York. 1p.
DATE	87/10/00
ABSTRACT	Environmental Protection Agency regulations for protection of groundwater near a repository site were less stringent than criteria of the Safe Drinking Water Act. Court decision forces EPA to set stricter standards for underground nuclear waste repositories.
KEYWORDS	GEOLOGIC DISPOSAL: groundwater, regulations.
LOCATION	Radioactive Waste Campaign, 625 Broadway, New York, N.Y. 10012.
REFERENCE	anne
AUTHOR	Yong, R.N.; Boonsinsuk, P.; Yiotis, D.
TYPE	acad
ORGANIZATION	
TITLE	CREEP BEHAVIOUR OF A BUFFER MATERIAL FOR NUCLEAR FUEL WASTE VAULT.
PUBLISH	Canadian Geotechnical Journal. Vol. 22(4). p. 541-550. 1985.
DATE	85/00/00
ABSTRACT	This study examines the creep behaviour of the buffer material in the borehole during interaction with the waste container and the host rock. The results from the model tests were compared with those predicted by a finite element analytical model.
KEYWORDS	GEOLOGIC DISPOSAL: geology, modelling.
LOCATION	
REFERENCE	NFW 2.2-11-1
AUTHOR	Binnall, E.P.; Bawnson, S.M.; Tsao, L.; Wollenberg, H.A.; Tokunaga, T.K.; Didwall, E.M.
TYPE	govt

ORGANIZATION | Lawrence Livermore National Lab. CA; Nuclear Regulatory
Commission, Washington, DC. Div. of Engineering.

TITLE | CRITICAL PARAMETERS FOR A HIGH-LEVEL WASTE REPOSITORY:
VOLUME 2, TUFF.
PUBLISH | May 1987. 104 p.
DATE | 87/04/00
ABSTRACT | This report address critical parameters specific to a
repository in tuff, using the Topopah springs member
of the Yucca Mountain tuffs as the principal example.
KEYWORDS | GEOLOGIC DISPOSAL: tuff.
LOCATION |
REFERENCE |

AUTHOR | Binwall, E.P.; Wollenberg, H.A.; Benson, S.M.
TYPE | govt
ORGANIZATION | Lawrence Livermore National Lab. CA (USA); Nuclear
Regulatory Commission, Washington DC (USA).
TITLE | CRITICAL PARAMETERS FOR A HIGH-LEVEL WASTE REPOSITORY:
VOLUME 3, SALT.
PUBLISH | July 1987. 37 p.
DATE | 87/07/00
ABSTRACT | This report covers the identification and
prioritization of critical parameters for a repository
in bedded salt. A parameter is a physical property
whose value helps determine the characteristics or
behaviour of a repository system.
KEYWORDS | GEOLOGIC DISPOSAL: salt, monitoring.
LOCATION |
REFERENCE |

AUTHOR | Yost, F.G.; Aronson, E.A.
TYPE | govt
ORGANIZATION | Sandia National Labs. NM (USA).
TITLE | CRUSHED SALT CONSOLIDATION KINETICS.
PUBLISH | October 1987. 36 p.
DATE | 87/10/00
ABSTRACT | The compaction of crushed salt is an important process
in the sealing of a salt repository for nuclear
wastes.
KEYWORDS | GEOLOGIC DISPOSAL: salt.
LOCATION |
REFERENCE |

AUTHOR | Stierman, Donald J. (Department of Geophysics,
University of California at Riverside)
TYPE | acad
ORGANIZATION |
TITLE | CRYSTALLINE ROCKS AS REPOSITORIES FOR HAZARDOUS
CHEMICAL WASTES.
PUBLISH | Minnesota Legislative Commission on Waste Management,
January, 1984, 13pp.
DATE | 84/01/23
ABSTRACT | Discusses failure of a crystalline rock deep repository
for toxic wastes in California with respect to the

KEYWORDS	geophysics of the site, nature of fractures and
LOCATION	groundwater flow in crystalline rock. Expresses
REFERENCE	shortcomings in the 1984 state-of-the-art in
	engineering appraisal of crystalline rock.
	GEOLOGIC DISPOSAL:
	anne
AUTHOR	Buser, Marcos; Wildi, Walter
TYPE	assoc
ORGANIZATION	Schweitzerische Energie-Stiftung (Swiss Energy
	Foundation)
TITLE	DAS GEWAEHR-FIASKO. (in German).
PUBLISH	S.E.S. Zurich, 1984
DATE	84/00/00
ABSTRACT	Critique of the Swiss Guarantee Project for the
	disposal of radioactive wastes.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	S.E.S. Sihlquai 67, CH-8005, Zurich
REFERENCE	anne
AUTHOR	
TYPE	govt
ORGANIZATION	Atomic Energy Control Board.
TITLE	DEEP GEOLOGICAL DISPOSAL OF NUCLEAR FUEL WASTE:
	BACKGROUND INFORMATION AND REGULATORY REQUIREMENTS
	REGARDING THE CONCEPT ASSESSMENT PHASE.
PUBLISH	Regulatory Document R-71, Regulatory Policy Statement,
	Ottawa, AECB, January 29, 1985, 19 p.
DATE	85/01/29
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: regulations.
LOCATION	
REFERENCE	NFW 2.2-11-4
AUTHOR	Wikberg, P.; Axelsen, K.; Fredlund, F.
TYPE	govt
ORGANIZATION	Royal Institute of Technology, (Sweden).
TITLE	DEEP GROUNDWATER CHEMISTRY.
PUBLISH	June 1987. 39.p
DATE	87/06/00
ABSTRACT	Starting in 1977 and up till now, a number of places in
	Sweden have been investigated in order to collect the
	necessary geological, hydrological and chemical data
	needed for safety analyses of repositories in deep
	bedrock systems. Core drilled boreholes and sections
	selected for sampling of deep groundwater are
	summarized.
KEYWORDS	GEOLOGIC DISPOSAL: hydrology, hydrogeology, chemistry.
LOCATION	
REFERENCE	
AUTHOR	Hansen, F.D.
TYPE	govt
ORGANIZATION	
TITLE	DEFORMATION MECHANISMS OF EXPERIMENTALLY DEFORMED
	SALINA BASIN BEDDED SALT.
PUBLISH	Battelle Memorial Inst. Report ONWI-546. January 1985.

DATE	68 p.
ABSTRACT	85/01/00 Flow processes accounting for deformation of bedded salt samples from the Salina Basin of Ohio were examined. Ten constant-stress creep and two quasi-static compression experiments were conducted.
KEYWORDS	GEOLOGIC DISPOSAL: salt.
LOCATION	
REFERENCE	
AUTHOR	Ratigan, J.L., et al.
TYPE	priv
ORGANIZATION	RE/Spec, Inc. (USA).
TITLE	DESIGN ANALYSIS FOR A REPOSITORY IN CRYSTALLINE ROCK.
PUBLISH	1985. 280 P.
DATE	85/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: design, crystalline.
LOCATION	
REFERENCE	
AUTHOR	Langer, M. (Bundesanstalt fur Geowissenschaften und Rohstoffe, Hannover).
TYPE	
ORGANIZATION	
TITLE	DESIGN AND DIMENSIONING OF A REPOSITORY MINE FOR RADIOACTIVE WASTES IN ROCK SALT.
PUBLISH	P. 167-170. Proceedings of the 6th International Congress on Rock Mechanics. Accord, MA (USA). A.A. Balkema Publishers, 1987.
DATE	87/00/00
ABSTRACT	The paper describes the work during the planning and construction of underground repositories for radioactive wastes in rock salt. In the safety assessment the geotechnical stability analysis is a critical part.
KEYWORDS	GEOLOGIC DISPOSAL: safety analysis, salt.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	acad
ORGANIZATION	
TITLE	DESIGN CONSIDERATIONS FOR BOREHOLE AND SHAFT SEALS FOR A NUCLEAR FUEL WASTE DISPOSAL VAULT.
PUBLISH	Colorado State University. 8TH Geohydro Waste Mgt.
DATE	
ABSTRACT	Symposium. CO (USA). Feb. 5-7, 1986. p. 317-328.
KEYWORDS	86/02/00
LOCATION	GEOLOGIC DISPOSAL: design.
REFERENCE	
AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	DESIGN CONSIDERATIONS FOR SEALING THE SHAFTS OF A NUCLEAR FUEL WASTE DISPOSAL VAULT.
PUBLISH	1985. 76 p.
DATE	86/00/00
ABSTRACT	

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: design.

AUTHOR
TYPE
ORGANIZATION
TITLE

Torres, T.M.
govt
Sandia National Labs. NM (USA).
DESIGN EVALUATION: STRUCTURAL CALCULATIONS FOR THE
CONSTRUCION AND SALT HANDLING SHAFT AND THE WASTE
HANDLING SHAFT AT THE WIPP.

PUBLISH
DATE
ABSTRACT

February 1988. 40 p.
88/02/00
This report describes the structural analyses performed
to address how much deformation will occur in the
shaft as a function of time and depth and how long
will it take for the backfill to consolidate to 95%
relative density.

KEYWORDS

GEOLOGIC DISPOSAL: salt, backfill, waste handling and
emplacement.

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Friant, J.E.; Dowden, P.B.
Robbins Co., Kent, WA (USA).
DESIGN OF A MACHINE TO BORE AND LINE A LONG HORIZONTAL
HOLE IN TUFF: NEVADA NUCLEAR WASTE STORAGE
INVESTIGATIONS PROJECT.

PUBLISH
DATE
ABSTRACT

September 1987. 146 p.
87/09/00
This report describes an engineering design for
equipment capable of simultaneously drilling and
lining deep horizontal bore holes.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Aiyar, G.S.; Hsiu, F.J.
DESIGN OF SALTSTONE VAULTS.
Trans. Am. Nucl. Soc. 1987. V.54. P.79.
87/00/00
Radioactive waste from processed spent nuclear fuel at
the Savannah River Plant, SC, are stored in
underground tanks.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: salt.

AUTHOR
TYPE
ORGANIZATION
TITLE

Kocher, D.C.
govt
Oak Ridge National Lab. TN (USA).
DEVELOPMENT OF ENVIRONMENTAL RADIATION STANDARDS FOR
GEOLOGIC DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTES.
Topical Report ORNL 6006. 76 p.
84/00/00

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: monitoring.

AUTHOR	Dole, L.R.
TYPE	govt
ORGANIZATION	
TITLE	DEVELOPMENT OF QUALITY ASSURANCE AND PERFORMANCE TESTING FOR THE PROCESS EXPERIMENTAL PILOT PLANT.
PUBLISH	ORNL Report TM-8901. June 1984. 35 p.
DATE	84/06/00
ABSTRACT	EG & G Idaho Inc. is expected to oversee operations of the Process Experimental Pilot Plant to demonstrate a full-scale, cement-based, disposal process for transuranic wastes.
KEYWORDS	GEOLOGIC DISPOSAL: cement, policy and administration.
LOCATION	
REFERENCE	
AUTHOR	Grimmell, Eckhardt
TYPE	acad
ORGANIZATION	Institute fur Geographie, Universitat Hamburg. (FRG).
TITLE	DIE "ENTSORGUNG" DER ATOMKRAFTWERKE - LEGENDE UND WIRKLICHKEIT. (in German).
PUBLISH	Energietechnischen Kolloquim der Fachhochschule Hamburg, January, 1988
DATE	88/01/28
ABSTRACT	Is highly critical of Germany's salt waste disposal research program, and of the credibility of the nuclear industry.
KEYWORDS	GEOLOGIC DISPOSAL: salt
LOCATION	
REFERENCE	
AUTHOR	Chakrabarti, S.; Patrick, W.C.; Duplancic, N.
TYPE	priv
ORGANIZATION	International Technology Group. PA (USA).
TITLE	DIGITAL SIGNAL PROCESSING OF DATA FROM BOREHOLE CREEP CLOSURE.
PUBLISH	Rock Mechanics: Proceedings of the 28th US Symposium. MA (USA). 1987. p. 249-256.
DATE	87/00/00
ABSTRACT	Digital signal processing, a technique commonly used in the fields of electrical engineering and communication technology, has been successfully used to analyze creep borehole in bedded salt. This process provided accurate estimates of closure rates that are used in the design of lined boreholes in which heat generating transuranic nuclear wastes are emplaced at the waste isolation pilot plant.
KEYWORDS	GEOLOGIC DISPOSAL: engineering, salt, radionuclide migration.
LOCATION	
REFERENCE	
AUTHOR	Wildt, K.H.
TYPE	
ORGANIZATION	Deutsche Gesellschaft zum bau und Betrieb von Endlagern fuer Abfallstoffe M.B.H., Peine, Germany, (F.R.).
TITLE	DIRECT ULTIMATE DISPOSAL OF SPENT FUEL ELEMENTS. PREPARATORY TESTS FOR SELECTION OF A SUITABLE PACKAGING METHOD. FINAL REPORT. (in German)
PUBLISH	August 1987. 101 p.
DATE	87/08/00

ABSTRACT	The pneumatic packing method and the slinger stowing method have been tested under boundary conditions valid for an ultimate disposal site, and have been evaluated for quality.
KEYWORDS	GEOLOGIC DISPOSAL: engineering, waste handling and emplacement.
LOCATION REFERENCE	
AUTHOR	Broyd, T.W. et al.
TYPE	assoc
ORGANIZATION	Commission of the European Communities, Luxembourg.
TITLE	DIRECTORY OF COMPUTER PROGRAMS FOR ASSESSMENT OF RADIOACTIVE WASTE DISPOSAL IN GEOLOGICAL FORMATIONS.
PUBLISH	1984. 536 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: analytical techniques.
LOCATION	
REFERENCE	
AUTHOR	Baumgartner, P.; Simmons, G.R. (AECL, Pinawa, Manitoba. Whiteshell Nuclear Research Establishment)
TYPE	govt
ORGANIZATION	
TITLE	DISPOSAL CENTRE ENGINEERING FOR THE CANADIAN NUCLEAR FUEL WASTE MANAGEMENT PROGRAM.
PUBLISH	Radioact. Waste Manage. Nucl. Fuel Cycle. September 1987. V. 8(2-3) p. 219-239.
DATE	87/09/00
ABSTRACT	Current and past concepts for immobilization and disposal developed in the Canadian Nuclear Fuel Waste Management Program are presented.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Chapman, N.; Gera, F.
TYPE	govt
ORGANIZATION	ISMES, Spa, (Italy).
TITLE	DISPOSAL OF RADIOACTIVE WASTES IN ITALIAN CLAYS: MINED RESPOSITORY OR DEEP BOREHOLES?
PUBLISH	Radioactive Waste Management & the Nuclear Fuel Cycle. March 1985. V. 6(1) p. 51-79.
DATE	85/03/00
ABSTRACT	Two disposal techniques are being assessed for radioactive wastes in Italian clay formations. A preliminary feasibility study compares engineering aspects, costs, and long term safety associated with emplacement in a mined repository or sealing into deep boreholes drilled from the surface. Potential migration mechanisms and thermal analyses of conceptual facility designs are described.
KEYWORDS	GEOLOGIC DISPOSAL: clay, radionuclide migration, thermodynamics.
LOCATION	
REFERENCE	
AUTHOR	Stein, G.
TYPE	govt
ORGANIZATION	Kernforschungsanlage Juelich M.B.H. (FRG).

TITLE	DISPOSAL STRATEGIES. ASPECTS RELATING TO SAFEGUARDS AND TO NON-PROLIFERATION.
PUBLISH	Energiewirtsch. Tagesfragen. May 1987. V.37(5) p.398-401.
DATE	87/05/00
ABSTRACT	Contrary to the disposal strategy by fuel reprocessing, underground storage involves the need for long term surveillance with international controls. This paper examines the need for better international surveillance.
KEYWORDS	GEOLOGIC DISPOSAL: safety analysis, international.
LOCATION	
REFERENCE	
AUTHOR	govt
TYPE	Office of Civilian Radioactive Waste Management. (USA).
ORGANIZATION	DRAFT ENVIRONMENTAL ASSESSMENT: LAVENDER CANYON SITE, UTAH.
TITLE	
PUBLISH	Nuclear Waste Policy Act, 1982. Sec. 112. 1984. 795 p.
DATE	84/12/00
ABSTRACT	In February 1983, the US DOE identified the Lavender Canyon site in Utah, as one of nine potentially acceptable sites for a mined geologic repository for spent nuclear fuel and high-level radioactive waste. This report evaluates the site from an environmental perspective.
KEYWORDS	GEOLOGIC DISPOSAL: siting.
LOCATION	
REFERENCE	
AUTHOR	Braithwaite, J.; Nimick, F.B.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	EFFECT OF HOST-ROCK DISSOLUTION AND PRECIPITATION ON PERMEABILITY IN A NUCLEAR WASTE REPOSITORY IN TUFF.
PUBLISH	Sandia National Labs Report 84-0192. Sept 1984. 57 p.
DATE	84/09/00
ABSTRACT	Research determined whether thermally induced host-rock dissolution and precipitation processes could decrease the isolation capability of a potential high-level radioactive waste repository in tuff.
KEYWORDS	GEOLOGIC DISPOSAL: safety analysis, geology.
LOCATION	
REFERENCE	
AUTHOR	assoc
TYPE	International Atomic Energy Agency. Vienna (Austria).
ORGANIZATION	EFFECTS OF HEAT FROM HIGH-LEVEL WASTE ON PERFORMANCE OF DEEP GEOLOGICAL REPOSITORY COMPONENTS.
TITLE	
PUBLISH	Report of Technical Committee Meeting on Effects of Heat from Radioactive Waste in Deep Geological Repositories, August 28 - September 2, 1983. 81 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: monitoring, international.
LOCATION	
REFERENCE	
AUTHOR	

TYPE	govt
ORGANIZATION	
TITLE	EFFECTS OF LONG TERM EXPOSURE OF TUFFS TO HIGH-LEVEL
PUBLISH	NUCLEAR WASTE REPOSITORY CONDITIONS: FINAL REPORT.
DATE	LANL Report 9330-MS. August 1986. 37 p.
ABSTRACT	86/08/00
KEYWORDS	GEOLOGIC DISPOSAL: tuff.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	
ORGANIZATION	
TITLE	EFFECTS OF RETRIEVAL ON VENTILATION AND COOLING
PUBLISH	REQUIREMENTS FOR A NUCLEAR WASTE REPOSITORY.
DATE	University of Nevada, 2nd US Mine Ventilation
ABSTRACT	Symposium, September 23-25, 1985. p. 311-317.
KEYWORDS	85/09/00
LOCATION	GEOLOGIC DISPOSAL: retrieval.
REFERENCE	
AUTHOR	Johnson, L.H.; Crosthwaite, J.L.; Gray, M.N.; Ikeda,
TYPE	B.M.; Tait, J.C. (AECL, Pinawa, Man., Whiteshell
ORGANIZATION	Research Establishment)
TITLE	govt
PUBLISH	ENGINEERED BARRIER RESEARCH FOR THE CANADIAN NUCLEAR
DATE	FUEL WASTE MANAGEMENT PROGRAM.
ABSTRACT	Radioact. Waste Manage. Nucl. Fuel Cycle. September
KEYWORDS	1987. V. 8(2-3) P. 105-143.
LOCATION	87/09/00
REFERENCE	Engineered barrier research for the disposal of nuclear
	fuel wastes in Canada is focusing on an examination of
	methods and materials for fabricating and emplacing
	engineered barriers in a disposal vault and an
	evaluation of the properties of waste forms,
	containers and vault sealing materials relevant to the
	performance assessment of a disposal vault in plutonic
	rock.
	GEOLOGIC DISPOSAL: engineering.
AUTHOR	Boer, T.C.; Vriesma, B.
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria).
TITLE	ENGINEERING SAFETY ASPECTS OF THE HIGH-LEVEL
PUBLISH	RADIOACTIVE WASTE TEST DISPOSAL PROJECT IN THE ASSE
	SALT MINE.
	Proceedings of an International Symposium on the Back

DATE ABSTRACT KEYWORDS LOCATION REFERENCE	End of the Nuclear Fuel Cycle: Strategies and Options. Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987. 87/00/00 With regard to planning, design and license procedure for a national repository in the Federal Republic of Germany, a high-level radioactive waste test disposal project will be performed in the ASSE salt mine. GEOLOGIC DISPOSAL: salt.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH	Patyn, J.; Marmol, P.D.; Monsecour, M. (CEN/SCK, Belgium); Come, B. (CEC); Chapman, N.A. (BGS). Commission of the European Communities, Luxembourg. ENVIRONMENTAL TRACERS FOR VALIDATING PREDICTIVE MODELS. P. 444-448. Natural Analogues in Radioactive Waste Disposal. Proceedings of a symposium organized by the CEC and held in Brussels. Graham & Trotman, 1987. 506 p. Radioactive Waste Management Series.
DATE ABSTRACT KEYWORDS LOCATION REFERENCE	87/00/00 Since 1974 the Belgian Nuclear Research Establishment at MOL has been studying the suitability of the boom clay formation as a potential host formation to evacuate radioactive wastes. GEOLOGIC DISPOSAL: clay.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH	govt Battelle Memorial Inst. Columbus, OH. Office of Nuclear Waste Isolation. ERG REVIEW OF DRAFT TEST PLAN FOR IN SITU TESTING IN AN EXPLORATORY SHAFT IN SALT- MARCH, 1985. Battelle Memorial Inst. Report ONWI-619. August 1986.
DATE ABSTRACT KEYWORDS LOCATION REFERENCE	66 p. 86/08/00 GEOLOGIC DISPOSAL: engineering.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH	govt ERG REVIEW OF SALT REPOSITORY SEALING SYSTEM. Battelle Memorial Inst. Report ONWI-546. February 1984.
DATE	31 p. 84/02/00
ABSTRACT KEYWORDS LOCATION	An Engineering Review Group established by Battelle Memorial Inst. analyzed a report describing the schematic design of a radioactive waste repository sealing system based on the Palo Duro, TX, stratigraphy. GEOLOGIC DISPOSAL: salt, design.

REFERENCE	
AUTHOR	govt
TYPE	Battelle Memorial Inst. Columbus, OH. Office of Nuclear
ORGANIZATION	Waste Isolation.
TITLE	ERG REVIEW OF THE SRP SALT IRRADIATION EFFECTS PROGRAM.
PUBLISH	Battelle Memorial Inst. Report ONWI-626, Nov. 1986. 51
DATE	p.
ABSTRACT	86/11/00
KEYWORDS	GEOLOGIC DISPOSAL: monitoring, salt.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	EVALUATION OF BACKFILL MATERIALS FOR REACTOR WASTE
PUBLISH	DISPOSAL.
DATE	1986. 9 p.
ABSTRACT	86/00/00
KEYWORDS	GEOLOGIC DISPOSAL: backfill.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	EVALUATION OF DIFFUSION COEFFICIENTS FOR STRONTIUM IN
PUBLISH	BUFFER MATERIALS.
DATE	1984. 247 p.
ABSTRACT	84/00/00
KEYWORDS	GEOLOGIC DISPOSAL: buffers, radionuclide migration.
LOCATION	
REFERENCE	
AUTHOR	Osnes, J.D.; et al
TYPE	govt
ORGANIZATION	Battelle Memorial Inst. Columbus, OH. Office of Nuclear
TITLE	Waste Isolation.
PUBLISH	EXPECTED REPOSITORY ENVIRONMENTS IN GRANITE: THERMAL
DATE	ENVIRONMENT.
ABSTRACT	
KEYWORDS	
LOCATION	
REFERENCE	
AUTHOR	
TYPE	
ORGANIZATION	
TITLE	
PUBLISH	Battelle Memorial Inst. Report OCRD-7. October 1984.
DATE	297 p.
ABSTRACT	84/10/00
KEYWORDS	The environment expected in and around a radioactive
LOCATION	waste repository in granitic rock is described with
REFERENCE	emphasis on the thermal environment.
	GEOLOGIC DISPOSAL: granite, thermodynamics.
AUTHOR	
TYPE	
ORGANIZATION	
TITLE	
PUBLISH	Rothfuchs, T.
DATE	
ABSTRACT	EXPERIMENTAL DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTES
KEYWORDS	IN THE ASSE SALT MINE.
LOCATION	Kerntechnik. (Mar-Apr 1987). V. 50(1) P. 34-39.
REFERENCE	

DATE	87/03/00
ABSTRACT	In order to improve the final concept for HLW disposal in salt formations, the complete technical system of an underground repository is to be tested.
KEYWORDS	GEOLOGIC DISPOSAL: salt.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv
ORGANIZATION	Fluor Technology, Inc., Irvine, CA (USA).
TITLE	EXPLORATORY SHAFT FACILITY QUALITY ASSURANCE IMPACT EVALUATION.
PUBLISH	August 1987, 144 p.
DATE	87/08/00
ABSTRACT	This report addresses the impact of the quality assurance practices for the exploratory shaft facility design, and construction in licensing as part of the repository.
KEYWORDS	GEOLOGIC DISPOSAL: licensing.
LOCATION	
REFERENCE	
AUTHOR	Richardson, Phillip J.
TYPE	acad
ORGANIZATION	
TITLE	EXPOSING THE FAULTS.
PUBLISH	Greenpeace/Friends of the Earth, London, 1989, 25pp.
DATE	89/03/22
ABSTRACT	Burial of radioactive waste can never be justified on geological grounds. Simulating physical and chemical conditions within a repository, especially over the long time periods necessary, is impossible. The use of non-site-specific data in complex models is a potential source of error. The principles of geologic disposal underlying the U.K. Nirex proposal for
KEYWORDS	radioactive waste disposal are not well understood, leading to problems in site identification and safety assessment.
LOCATION	GEOLOGIC DISPOSAL:
REFERENCE	Greenpeace, U.K. 30-31 Islington Green, London N1 8XE. anne
AUTHOR	Chapman, N.; Tassoni, E.
TYPE	assoc
ORGANIZATION	Commission of the European Communities, Luxembourg.
TITLE	FEASIBILITY STUDIES OF A RADIOACTIVE WASTE REPOSITORY IN A DEEP CLAY FORMATION.
PUBLISH	1985. 210 p.
DATE	85/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	Grand Portage Reservation Business Committee, NM (USA).
TITLE	FINAL REPORT IN REVIEW OF THE DEPARTMENT OF ENERGY'S CRP (CRYSTALLINE REPOSITORY PROJECT): ARR AND RELATED DOCUMENTATION.

PUBLISH	1987. 77 p.
DATE	87/00/00
ABSTRACT	Legal aspects of using Indian reservations for a storage site of spent fuels or high-level radioactive wastes are discussed in light of nuclear waste policy and existing Indian treaties.
KEYWORDS	GEOLOGIC DISPOSAL: native.
LOCATION	
REFERENCE	
AUTHOR	Pusch, R.; Boergesson, L. (Sveriges Geologiska Undersokning, Stockholm); Ramqvist, G. (El-Tekno Co., Sweden)
TYPE	
ORGANIZATION	Nationale Genossenschaft fuer die Lagerung Radioaktiver Abafelle, Baden, (Switzerland).
TITLE	FINAL REPORT OF THE BOREHOLE, SHAFT, AND TUNNEL SEALING TEST - VOLUME 3: TUNNEL PLUGGING.
PUBLISH	February 1987. 111 p.
DATE	87/02/00
ABSTRACT	Like the borehole and shaft plugging tests, the tunnel test gave evidence of the very effective sealing power of na bentonite.
KEYWORDS	GEOLOGIC DISPOSAL: design.
LOCATION	
REFERENCE	

AUTHOR	Pusch, R.; Boergesson, L. (Swedish Geological Co., Luleaa, Sweden); Ramqvist, G. (El-Tekno Co., Stockholm, Sweden)
TYPE	priv
ORGANIZATION	Swedish Nuclear Fuel and Waste Management Co., Stockholm (Sweden).
TITLE	FINAL REPORT OF THE BOREHOLE, SHAFT, AND TUNNEL SEALING TEST. VOL. 2. SHAFT PLUGGING.
PUBLISH	January 1987. 73 p.
DATE	87/01/00
ABSTRACT	Shaft sealing by use of highly compacted bentonite was investigated in a 14m long shaft in which two plugs were constructed with a central sand-filled central space for injecting water.
KEYWORDS	GEOLOGIC DISPOSAL: engineering.
LOCATION	
REFERENCE	

AUTHOR	
TYPE	
ORGANIZATION	
TITLE	FIXATION OF WASTE MATERIALS IN GROUTS. PART II: AN EMPIRICAL EQUATION FOR ESTIMATING COMPRESSIVE STRENGTH FOR GROUTS FROM DIFFERENT WASTES.
PUBLISH	ORNL Report TM-9680/Pil (April 1986) 15.
DATE	86/04/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	
TYPE	priv/govt
ORGANIZATION	Department of the Environment, London; Cremer and

TITLE	Warner, London, (UK). FLAMMABLE GAS PRODUCTION IN LAND 2 AND LAND 3/4 RADIOACTIVE WASTE REPOSITORIES.
PUBLISH	February 1988. 110 p.
DATE	88/02/00
ABSTRACT	A detailed review of the literature on radiolytic gas generation is presented and conclusions from this work indicate that water in waste and matrix should be kept to a minimum.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Yong, R.; Boonsinsuk, P.; Wong, G.
TYPE	acad
ORGANIZATION	
TITLE	FORMULATION OF BACKFILL MATERIAL FOR A NUCLEAR FUEL WASTE DISPOSAL VAULT.
PUBLISH	Canadian Geotechnical Journal. Vol. 23(2). 1986. p.
DATE	216-228.
ABSTRACT	86/00/00 The development of backfill material for a nuclear waste vault is directed at determining the appropriate composition of backfill material that will meet the stringent criteria to be set by AECL to ensure its successful performance.
KEYWORDS	GEOLOGIC DISPOSAL: backfill.
LOCATION	
REFERENCE	NFW 2.2-11-3
AUTHOR	Yong, R.N.; Boonsinuk, P.; Wong, G.
TYPE	
ORGANIZATION	
TITLE	FORMULATIONS OF BACKFILL MATERIALS FOR A NUCLEAR FUEL WASTE DISPOSAL VAULT.
PUBLISH	Canadian Geotechnical Journal. V. 23(2). 1986. p.
DATE	216-228.
ABSTRACT	86/00/00
KEYWORDS	GEOLOGIC DISPOSAL: backfill.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Battelle Memorial Inst. Columbus, OH. Office of Nuclear Waste Isolation.
TITLE	FUNCTIONAL DESIGN CRITERIA FOR AN EXPLORATORY SHAFT FACILITY IN SALT.
PUBLISH	Battelle Memorial Inst. Report ONWI-601, November 1986.
DATE	49 p.
ABSTRACT	86/11/00
KEYWORDS	GEOLOGIC DISPOSAL: salt, design.
LOCATION	
REFERENCE	
AUTHOR	Hamstra, J.
TYPE	govt
ORGANIZATION	Netherlands Energy Research Foundation. (Netherlands).
TITLE	FURTHER DESIGN WORK ON A REPOSITORY IN A SALT DOME.

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

CEC Report EUR 9566 EN. 1985. 54 p.
85/00/00
Cost estimates are prepared for the construction of a
radioactive waste repository in a medium size salt
dome.
GEOLOGIC DISPOSAL: salt, economics.

AUTHOR

TYPE
ORGANIZATION
TITLE

Paces, T. (Ustredni Ustav Geologicky, Prague,
Czechoslovakia)

PUBLISH
DATE
ABSTRACT

GEOCHEMICAL PROBLEMS OF SAFE DISPOSAL OF RADIOACTIVE
WASTES IN BOHEMIAN MASSIF. (in Czech.)

Geo. Pruzkum. July 1987. V.29(7) p. 196-198.

87/07/00

The requirements are summed up for the geochemical
stability of radioactive waste repositories, stability
of materials of containers, and the methods of
geochemical waste fixation. The geological and
geochemical conditions for radioactive waste disposal
in the Bohemian Massif and some suitable localities
are listed.

GEOLOGIC DISPOSAL: containment.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Bedinger, M.S.; Sargent, K.A.; Brady, B.T
govt

U.S. Department of the Interior.

GEOLOGIC AND HYDROLOGIC CHARACTERIZATION AND EVALUATION
OF THE BASIN AND RANGE PROVINCE RELATIVE TO THE
DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE. PART III:
GEOLOGIC AND HYDROLOGIC EVALUATION.

Geological Survey Circular 904-C. 27 p.

85/00/00

GEOLOGIC DISPOSAL: geology, hydrology.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Bedinger, M.S.; Sargent, K.A.; Reed, J.E.
govt

U.S. Department of the Interior.

GEOLOGIC AND HYDROLOGIC CHARACTERIZATION AND EVALUATION
OF THE BASIN AND RANGE PROVINCE RELATIVE TO THE
DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE. PART I:
INTRODUCTION AND GUIDELINES.

85/00/00

GEOLOGIC DISPOSAL: geology, hydrology.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

govt

OECD Nuclear Energy Agency.

GEOLOGICAL DISPOSAL OF RADIOACTIVE WASTE: AN OVERVIEW
OF THE CURRENT STATUS OF UNDERSTANDING AND

PUBLISH	DEVELOPMENT.
DATE	1984. 116 p.
ABSTRACT	84/00/00
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	NFW 2.2-11-8
AUTHOR	Roxburgh, I.S.
TYPE	priv
ORGANIZATION	
TITLE	GEOLOGY OF HIGH-LEVEL NUCLEAR WASTE DISPOSAL. AN INTRODUCTION.
PUBLISH	London (UK). Chapman and Hall. 1987. 236 p.
DATE	87/00/00
ABSTRACT	This book provides a concise review of the progress which has been made to date in assessing the prospects for the geologic disposal of high-level nuclear waste.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Farmer, I.W.; Daemen, J.J.; Desai, C.S.; Glass, C.E.; Neumann, S.P.; Cramer, M.L.; Dischler, S.A.; Erb, D.B.; Berlin, G.T.; Wittreich, C.D.; Bauer, R.E.
TYPE	govt
ORGANIZATION	Rockwell Hanford Operations. WA (USA).
TITLE	GEOMECHANICAL TESTING DEVELOPMENT FOR THE BASALT WASTE ISOLATION PROJECT.
PUBLISH	Rock Mechanics: Proceedings of the 28th US Symposium. MA (USA). 1987. p. 1053-1062.
DATE	87/00/00
ABSTRACT	An investigation to assess the feasibility of constructing a repository in basalt and to identify the technology required for engineering design and site characterization. This article summarizes the development effort currently under way to support site characterization testing to be conducted.
KEYWORDS	GEOLOGIC DISPOSAL: basalt.
LOCATION	
REFERENCE	
AUTHOR	Glasbergen, P.; Hassanizadeh, S.M.; Noordik, H.; Sauter, F. (National Inst. of Public Health and Environmental Protection, Netherlands)
TYPE	govt
ORGANIZATION	
TITLE	GEOSPHERE MIGRATION STUDIES AS SUPPORT FOR THE COMPARISON OF CANDIDATE SITES FOR DISPOSAL OF RADIOACTIVE WASTE IN ROCK-SALT.
PUBLISH	Radioact. Waste Manage. Nucl. Fuel Cycle. May 1988. V.10(1-3). P. 179-195.

DATE	88/05/00
ABSTRACT	The Dutch research program on the geological disposal of radioactive waste was designed to supply a basis for the selection of combinations of three factors. I.E., type of rock-salt formation, site, and disposal technique, satisfying radiological standards and other criteria for final disposal.
KEYWORDS	GEOLOGIC DISPOSAL: siting, salt.
LOCATION	
REFERENCE	
AUTHOR	Cooling, C.M. (Building Research Establishment, Watford, UK); Hudson, J.A. (Rock Engineering Consultants, Herts, UK).
TYPE	priv
ORGANIZATION	
TITLE	GEOTECHNICAL ASPECTS OF THE UK DOE-SPONSORED RADIOACTIVE WASTE DISPOSAL RESEARCH PROGRAMME.
PUBLISH	Radio. Waste Manage. Nucl. Fuel Cycle. December 1987.
DATE	V. 9(1-3) P. 123-149.
ABSTRACT	87/12/00 The authors describe the structure of the research programme, highlight some of the individual projects, indicate the most important conclusions and provide an overview of both the current state of knowledge and 'the way ahead'.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	De Moor, E.K.
TYPE	acad
ORGANIZATION	The City University. London (UK).
TITLE	GEOTECHNICAL ASPECTS OF TUNNEL CONSTRUCTION IN DEEP CLAY FORMATIONS FOR RADIOACTIVE WASTE DISPOSAL.
PUBLISH	Ground Eng. Sept. 1987. V. 20(6) p. 8, 10, 12.
DATE	87/09/00
ABSTRACT	The significant factors affecting the construction of tunnels in deep clay formations for radioactive waste disposal were outlined.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Ubbes, W.F.; Duguid, J.O.
TYPE	govt
ORGANIZATION	Office of Crystalline Repository Development. (USA).
TITLE	GEOTECHNICAL ASSESSMENT AND INSTRUMENTATION NEEDS FOR ISOLATION OF NUCLEAR WASTE IN CRYSTALLINE ROCKS: SYMPOSIUM PROCEEDINGS.
PUBLISH	October 15-19, 1984. 193 p.
DATE	85/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: crystalline.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	

TITLE	GEOTECHNICAL SUPPORT AND TOPICAL STUDIES FOR NUCLEAR WASTE REPOSITORIES: ANNUAL REPORT, FISCAL YEAR 1986.
PUBLISH	DOE Report LBL-23069. November 1986. 224 p.
DATE	86/11/00
ABSTRACT	GEOLOGIC DISPOSAL: geology.
KEYWORDS	
LOCATION	
REFERENCE	
AUTHOR	
TYPE	
ORGANIZATION	Deutsche Gesellschaft zum bau und Betrieb von Endlagern fuer Abfallstoffe M.B.H., Peine, Germany, (F.R.)
TITLE	GORLEBEN. EXPLORATION OF A SALT DEPOSIT.
PUBLISH	1987. 22 p.
DATE	87/00/00
ABSTRACT	The DBE has taken up work for underground exploration in the gorleben salt deposit, which is to be developed at a depth of 840 m.
KEYWORDS	GEOLOGIC DISPOSAL: salt.
LOCATION	
REFERENCE	
AUTHOR	Wise, Meg
TYPE	govt
ORGANIZATION	Wisconsin Radioactive Waste Review Board. (USA).
TITLE	GROUNDWATER AND RADIOACTIVE WASTE IN WISCONSIN.
PUBLISH	WRWRB, Madison, 1985, 4pp.
DATE	85/00/00
ABSTRACT	Discusses groundwater issues in Wisconsin, and scientific uncertainties relating to deep granite disposal of radioactive waste, especially containment.
KEYWORDS	GEOLOGIC DISPOSAL: groundwater, containment.
LOCATION	
REFERENCE	anne
AUTHOR	
TYPE	acad
ORGANIZATION	
TITLE	GROUNDWATER PATHWAY SENSITIVITY ANALYSIS AND HYDROGEOLOGIC PARAMETERS IDENTIFICATION FOR WASTE DISPOSAL IN POROUS MEDIA.
PUBLISH	Colorado State University. 8TH Geohydro Waste Mgt. Symposium. CO (USA). Feb. 5-7, 1986. p. 133-143.
DATE	86/02/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: groundwater.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	
TITLE	GUIDELINES ON INTERIM PERFORMANCE CONSTRAINTS FOR RADIOACTIVE WASTE DISPOSAL IN CRYSTALLINE ROCK.
PUBLISH	Battelle Memorial Inst. Report OCRD-19. Feb. 1985. 70 p.
DATE	85/02/00
ABSTRACT	Interim performance constraints were developed for preliminary design analyses of a radioactive waste repository in crystalline rock. The constraints were

KEYWORDS
LOCATION
REFERENCE

defined by consideration of thermal, thermomechanical, and thermochemical behaviour for three regions of the repository during operational, containment, and isolation time periods.

GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE

acad

PUBLISH

HARD CLAY AS HOST MEDIUM: THERMO-MECHANICAL EXPERIMENTS AND MODEL.

Nuclear Waste Management Symposium. Stockholm (Sweden). Sept. 9-11, 1985. p. 595.

85/09/00

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: clay, thermodynamics, modelling.

AUTHOR
TYPE
ORGANIZATION
TITLE

Rothfuchs, T.; Stippler, R.

govt

Gesellschaft fur Strahlenund Umweltforschung, (FRG).

HIGH-LEVEL RADIOACTIVE WASTE TEST DISPOSAL PROJECT IN THE ASSE SALT MINE- (FRG).

PUBLISH

Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dept. 1987. p. 89-96.

87/00/00

DATE
ABSTRACT

FRG's design, planning and license procedure for a national repository for high-level radioactive waste in the Asse salt mine is discussed.

KEYWORDS

GEOLOGIC DISPOSAL: salt.

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Melnyk, T.W.; Johnson, L.H.; Walton, F.B.

govt

Atomic Energy of Canada Ltd.

HIGH-LEVEL WASTE GLASS FIELD BURIAL TEST: LEACHING AND MIGRATION OF FISSION PRODUCTS.

PUBLISH

Nucl. Chem. Waste Manage. 1984. V. 5(1) p. 49-62.

DATE

84/00/00

ABSTRACT

In June 1960, 25 Nepheline syenite-based glass hemispheres containing the fission products ¹³⁷Cs, ⁹⁰Sr, ¹⁴⁴Ce, and ¹⁰⁶Ru were buried below the water table in a sandy soil aquifer at the Chalk River Nuclear Lab. Measurements of soil and groundwater concentrations of ⁹⁰Sr and ¹³⁷Cs have been interpreted using non-equilibrium migration models to deduce the leaching history of the glass for these burial conditions.

KEYWORDS

GEOLOGIC DISPOSAL: radionuclide migration, glass, modelling.

LOCATION
REFERENCE

AUTHOR

Evans, T.J.; Halstead, R.J. (Geological and Natural History Survey, Univ. of Wisconsin Extension)

TYPE	Post, R.G. (ed.)
ORGANIZATION	acad
TITLE	HOW MANY GEOLOGIC REPOSITORIES WILL BE NEEDED.
PUBLISH	P. 33-42. Waste Management '87: Waste Isolation in the US, Technical Programs, and Public Education. Tucson, AZ. University of Arizona Nuclear Engineering Dept. 1987.
DATE	87/00/00
ABSTRACT	DOE's postponement of site-specific work on the second repository program has rekindled debate over the number of geologic repositories needed for disposal of high-level radioactive waste.
KEYWORDS	GEOLOGIC DISPOSAL: waste characterization, siting.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	acad/media
ORGANIZATION	
TITLE	HYDROGEOLOGIC PARAMETER IDENTIFICATION FROM NUCLEAR TRACER BREAKTHROUGH CURVE DATA FOR WASTE DISPOSAL IN POROUS MEDIA.
PUBLISH	Mar. 1986. Radioactive Waste Management & the Nuclear Fuel Cycle. V 7(1) p. 63.
DATE	86/03/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: hydrogeology.
LOCATION	
REFERENCE	
AUTHOR	Beals, D.
TYPE	govt
ORGANIZATION	Atomic Energy Control Board.
TITLE	HYDROLOGIC AND HYDROGEOLOGIC PARAMETERS FOR POST-CLOSURE BIOSPHERE ASSESSMENT OF NUCLEAR FUEL WASTE DISPOSAL.
PUBLISH	Technical Record TR-287. Pinawa, MN, AECB, 113 p.
DATE	85/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: hydrology, hydrogeology.
LOCATION	
REFERENCE	
AUTHOR	Wang, J.S.; Narasimhan, T.N.
TYPE	govt
ORGANIZATION	
TITLE	HYDROLOGIC MECHANISMS GOVERNING FLUID FLOW IN PARTIALLY SATURATED, FRACTURED, POROUS TUFF AT YUCCA MOUNTAIN.
PUBLISH	LBNL Report 18473. Oct. 1984. 56 p.
DATE	84/09/00
ABSTRACT	Tuff formations in Yucca Mountain, NV, may provide host rocks for a radioactive waste repository. The hydrologic mechanisms governing fluid flow in these partially saturated, fractured, porous members were studied. Results obtained from a simple statistical aperture distribution model for fracture saturation, hydraulic conductivity, and effective matrix-fracture flow area as functions of pressure are reported.
KEYWORDS	GEOLOGIC DISPOSAL: hydrology.
LOCATION	

REFERENCE

AUTHOR French, R.H.
TYPE acad
ORGANIZATION University of Nevada. NV (USA).
TITLE HYDROLOGY AND WATER RESOURCES OVERVIEW FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS, NEVADA TEST SITE, NYE COUNTY, NEVADA: ANNOTATED BIBLIOGRAPHY.
PUBLISH NTIS Report DE85001349. June 1984. 84 p.
DATE 84/06/00
ABSTRACT The available literature pertaining to hydrology and utilization of water resources in the southwestern Nevada Test Site is reviewed and compiled. Current and future water supply, demand, and in use, in the vicinity of the proposed radioactive waste repository are emphasized.
KEYWORDS GEOLOGIC DISPOSAL: hydrology.

LOCATION
REFERENCE

AUTHOR Parneix, J.C.; Menager, M.T.; Trotignon, L.; Petit, J.C. (CEA Centre D'Etudes Nucleaires de Fontenay-aux-Roses, 92, France).
TYPE
ORGANIZATION Commission of the European Communities, Luxembourg.
TITLE HYDROTHERMAL ALTERATION IN THE AURIAT GRANITE (MASSIF CENTRAL, FRANCE): ANALOGY WITH A RADWASTE DISPOSAL.
PUBLISH P. 449-461. Natural Analogues in Radioactive Waste Disposal. Proceedings of a Symposium Organized by the CEC and held in Brussels, BE, on 28-30 April 1987. London. Graham and Trotman. 1987. 506 p. Radioactive Waste Management Series.
DATE 87/04/00
ABSTRACT Hydrothermal systems in granites offer the opportunity of estimating the possible effects of fluid circulations in an intragranitic nuclear waste repository.
KEYWORDS GEOLOGIC DISPOSAL: granite, thermodynamics.
LOCATION
REFERENCE

AUTHOR Tait, J.C.
TYPE govt
ORGANIZATION Atomic Energy of Canada Ltd.
TITLE IMMOBILIZATION AND GEOLOGICAL DISPOSAL OF NUCLEAR FUEL WASTE.
PUBLISH Can. J. Physiol. Pharmacol. Aug 1984. V. 62(8) p. 979-985.
DATE 84/08/00
ABSTRACT The CNFWMP is developing methods for the safe disposal of both used nuclear fuel and fuel recycle waste. The work to date is presented in this report.
KEYWORDS GEOLOGIC DISPOSAL:
LOCATION
REFERENCE

AUTHOR Pine, G.L.; Jantzen C.M.
TYPE govt
ORGANIZATION Savannah River Lab. SC (USA).
TITLE IMPLICATIONS OF ONE-YEAR BASALT WEATHERING/REACTIVITY STUDY FOR A BASALT REPOSITORY ENVIRONMENT.

PUBLISH	March 1987. 61 p.
DATE	87/03/00
ABSTRACT	Tests of the performance of waste processing glass under conditions representing potential repository environments are examined.
KEYWORDS	GEOLOGIC DISPOSAL: glass, basalt.
LOCATION	
REFERENCE	
AUTHOR	Kittredge, William.
TYPE	media
ORGANIZATION	
TITLE	IN MY BACKYARD: A VISIT TO THE PROPOSED NATIONAL NUCLEAR WASTE REPOSITORY.
PUBLISH	Harper's Magazine (October 1988) 277(1661):59-63.
DATE	88/10/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Kumata, M.; Shimooka, K.; Muraoka, S.; Nakamura, H.
TYPE	govt
ORGANIZATION	Japan Atomic Energy Research Institute, (Japan).
TITLE	IN SITU BUFFER MATERIAL TEST, (2). A PRELIMINARY TEST ON A BENTONITE/SAND MIXTURE.
PUBLISH	Oct. 1987. 171 p.
DATE	87/10/00
ABSTRACT	Compacted bentonite/sand mixtures are being considered for use as buffer materials in the concept for geologic disposal of hlw. The tests of these materials are presented here.
KEYWORDS	GEOLOGIC DISPOSAL: buffers.
LOCATION	
REFERENCE	
AUTHOR	Hall, A.R. (UKAEA Atomic Energy Research Establishment, Harwell. Chemistry Div.) (ed.)
TYPE	assoc
ORGANIZATION	Commission of the European Communities, Brussels, (Belgium).
TITLE	INFLUENCE OF REPOSITORY CONDITIONS ON THE LEACHING OF HIGH-LEVEL WASTE FORMS.
PUBLISH	P. 276-308. Testing and Evaluation of Solidified High-Level Radioactive Waste. London, UK. Graham and Trotman Ltd. 1987. 354 p. Radioactive Waste Management Series.
DATE	87/00/00
ABSTRACT	Two studies on leaching of radioisotope- spiked glasses under simulated refouling conditions and interaction between repository clay and simulated highly active waste forms are described.
KEYWORDS	GEOLOGIC DISPOSAL: leaching.
LOCATION	
REFERENCE	
AUTHOR	Pfeifle, T.W.; Senseny, P.E.; Mellegard, K.D.
TYPE	
ORGANIZATION	RE/SPEC, Inc., Rapid City, SD; Battelle Memorial Inst., Columbus, OH (USA).

TITLE	INFLUENCE OF VARIABLES ON THE CONSOLIDATION AND UNCONFINED COMPRESSIVE STRENGTH OF CRUSHED SALT, TECHNICAL REPORT.
PUBLISH DATE	January 1987. 72 p.
ABSTRACT	87/01/00 The experiments were performed to assess the influence of the following four variables on the consolidation and unconfined strength of crushed salt: grain size distribution, temperature, time, and moisture content.
KEYWORDS	GEOLOGIC DISPOSAL: salt.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv/govt
ORGANIZATION	Kenny Construction Co., Wheeling, IL; Sandia National Labs., Albuquerque, NM (USA).
TITLE	INSTALLATION OF STEEL LINER IN BLIND HOLE STUDY.
PUBLISH DATE	September 1987. 42 p.
ABSTRACT	87/09/00 Lining of horizontally bored, waste-emplacement holes has been studied for possible use in underground nuclear waste repositories.
KEYWORDS	GEOLOGIC DISPOSAL: steel.
LOCATION	
REFERENCE	
AUTHOR	St. John, C.M.
TYPE	priv/govt
ORGANIZATION	Agbabian Associates, El Segundo, CA; Sandia National Lab. NM (USA).
TITLE	INTERACTION OF NUCLEAR WASTE PANELS WITH SHAFTS AND ACCESS RAMPS FOR A POTENTIAL NUCLEAR WASTE REPOSITORY AT YUCCA MOUNTAIN: NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS PROJECT.
PUBLISH DATE	September 1987. 65 p.
ABSTRACT	87/09/00 A series of 2-dimensional and 3-dimensional analyses of a potential nuclear waste repository at Yucca Mountain were performed to estimate the thermal stresses that would be experienced at the possible locations of shafts or ramps providing access to the repository horizon.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Tammemagi, H.Y.; Chieslar, J.D.
TYPE	priv
ORGANIZATION	RE/Spec, Inc. (USA).
TITLE	INTERIM ROCK MASS PROPERTIES AND CONDITIONS OF A REPOSITORY IN CRYSTALLINE ROCK.

PUBLISH	1985. 92 p.
DATE	85/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: crystalline.
LOCATION	
REFERENCE	
AUTHOR	St. John, C.M.; Mitchell, S.J.
TYPE	
ORGANIZATION	Agapito and Associates, Inc., Rolling Hills Estates, CA; Sandia National Labs. NM (USA).
TITLE	INVESTIGATION OF EXCAVATION STABILITY IN A FINITE REPOSITORY.
PUBLISH	May 1987. 67 p.
DATE	87/05/00
ABSTRACT	Two-dimensional thermal-mechanical analyses of a hypothetical repository in tuff were performed using a boundary-element computer code, with the objective of investigating the relative stability of several waste emplacement panel access drifts
KEYWORDS	GEOLOGIC DISPOSAL: tuff, analytical technique.
LOCATION	
REFERENCE	
AUTHOR	St. John, C.M.
TYPE	priv/govt
ORGANIZATION	Agapito and Associates, Inc. CA (USA); Sandia National Labs, NM (USA).
TITLE	INVESTIGATIVE STUDY OF THE UNDERGROUND EXCAVATIONS FOR A NUCLEAR WASTE REPOSITORY IN TUFF: NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS PROJECT.
PUBLISH	July 1987. 104 p.
DATE	87/07/00
ABSTRACT	Numerical studies were conducted on the behaviour of a tuff rock mass within which emplacement drifts for a nuclear waste repository are excavated.
KEYWORDS	GEOLOGIC DISPOSAL: tuff, analytical techniques.
LOCATION	
REFERENCE	
AUTHOR	Case, J.B.; Withiam, J.L.; Kelsall, P.C.; Farmer, I.W.; Daemen, J.J.; Desai, C.S.; Glass, C.E.; Neuman, S.P.
TYPE	priv
ORGANIZATION	IT Corp. NM (USA).
TITLE	LABORATORY INVESTIGATION OF CRUSHED SALT CONSOLIDATION.
PUBLISH	Rock Mechanics: Proceedings of the 28th US Symposium. MA (USA). 1987. p. 189-196.
DATE	87/00/00
ABSTRACT	Crushed salt backfill is being investigated for its use in sealing access shafts for the safe geologic disposal of nuclear waste.
KEYWORDS	GEOLOGIC DISPOSAL: salt.
LOCATION	
REFERENCE	
AUTHOR	Bazan, F.; Rego, .; Aines, R.D. (Lawrence Livermore National Lab., CA).
TYPE	Bates, J.K.; Seefeldt, W.B. (eds.)
ORGANIZATION	govt
TITLE	Argonne National Lab. Il (USA). LEACHING OF ACTINIDE-DOPED NUCLEAR WASTE GLASS IN A

PUBLISH

DATE

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

AUTHOR

TYPE

ORGANIZATION

TITLE

PUBLISH

DATE

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

AUTHOR

TYPE

ORGANIZATION

TITLE

PUBLISH

DATE

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

TUFF-DOMINATED SYSTEM.

P. 447-458. Scientific Basis for Nuclear Waste Management X. Pittsburgh, PA (USA). Materials Research Society. 1987.

87/00/00

A laboratory leaching test has been performed as part of a project to evaluate the suitability of tuff rocks at Yucca Mountain, Nevada, as a site for a high-level nuclear waste repository.

GEOLOGIC DISPOSAL: tuff, glass, leaching.

Cassiba, R.O.; Fernandez, S.

acad

Commission Nacional de Energia Atomica. (Argentina).

LEAD CORROSION BEHAVIOUR IN SIMULATED MEDIA OF AN UNDERGROUND REPOSITORY.

Journal of Nuclear Materials. Feb. 1989. V. 161.(2). p. 93-101.

89/02/00

A study on the corrosion resistance of lead in simulated natural media of an underground repository of high-level radioactive wastes was made.

Potentiostatic polarization tests and weight loss measurements were carried out between 293 K and 353 K.

The media studied were: groundwater, bentonite suspensions as well as sodium chloride, acetate and nitrate solutions, extending over a broad range of concentrations. The results are described.

GEOLOGIC DISPOSAL: corrosion.

Weh, R. (Duetsche Gesellschaft fuer Wiederaufarbeitung von Kernbrennstoffen M.B.H., Hannover, Germany, F.R.);

Knapp, U. (Kernforschungszentrum Karlsruhe G.M.B.H.,

Germany, F.R.); Richter, B.; Stein, G.

(Kernforschungsanlage Juelich G.M.B.H., Germany, F.R.) assoc

International Atomic Energy Agency. Vienna (Austria).

LONG-TERM STORAGE AND FINAL DISPOSAL CONDITIONING OF SPENT FUEL: FACILITY CHARACTERISTICS AND SAFEGUARDS

ASPECTS.

V.2 P.183-195. Nuclear Safeguards Technology 1986.

Proceedings of an International Symposium on Nuclear Material Safeguards held in Vienna, 10-14 Nov. 1986.

Vienna. IAEA. 1987. 660 p. Proceedings Series.

87/00/00

The back end of the fuel cycle concept of the Federal Republic of Germany now includes, as a complement to reprocessing, the development and demonstration of final disposal techniques for spent fuel. The paper describes the two types of facility in the fuel cycle and discusses basic aspects of the envisaged safeguards concepts with their facility specific features.

GEOLOGIC DISPOSAL:

AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Bibler, N.E.; Jantzen, C.M. assoc MATERIAL INTERACTION RELATING TO LONG-TERM GEOLOGIC DISOSAL OF NUCLEAR WASTE GLASS. Presented at the Symposium on the Scientific Basis for Nuclear Waste Management, December 1-4, 1986. 34 p. 86/00/00 GEOLOGIC DISPOSAL: glass.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Stickney, R.G. priv RE/SPEC Inc., Rapid City, SD (USA). MEASURED DATA FROM THE AVERY ISLAND, LOUISIANA, HEATING COREJACKING TESTS. September 1987. 149 p. 87/09/00 This report presents the unanalysed data obtained from a series of heated corejacking tests conducted in the Avery Island salt mine. These tests were a part of a field testing program at Avery Island to characterize the thermomechanical response of domal salt when subjected to conditions similar to those expected in a high-level waste repository. GEOLOGIC DISPOSAL: salt, thermodynamics.
AUTHOR TYPE ORGANIZATION	Commission of the European Communities, Luxembourg.
TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	MEASUREMENT OF LOW PERMEABILITIES AND OF PINPOINT HYDRAULIC LOAD VARIATIONS AS A FUNCTION OF DEPTH IN CRYSTALLINE FORMATIONS. (in French) 1987. 143 p. 87/00/00 As part of the programme on management and storage of radioactive wastes, the piezofer system was improved in two directions, with a view to hydrogeological measurements in low permeability formations: the special casing of the boreholes, on the one hand; the measurement probe, on the other hand. GEOLOGIC DISPOSAL: geology.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Hoorelbeke, J.M.; Dourthe, M. acad MECHANICAL BEHAVIOUR OF HOST ROCK CLOSE TO HLW DISPOSAL CAVITIES IN A DEEP GRANITIC FORMATION. Nuclear Waste Management Symposium. Stockholm (Sweden). Sept. 9-11, 1985. p. 791. 85/09/00 GEOLOGIC DISPOSAL: geology, granite.

AUTHOR Chan, T.; Lang, P.A.; Thompson, P.M.
TYPE govt
ORGANIZATION
TITLE MECHANICAL RESPONSE OF JOINTED GRANITE DURING SHAFT
SINKING AT THE CANADIAN UNDERGROUND RESEARCH
LABORATORY.
PUBLISH 26th US Symposium on Rock Mechanics, June 26-28, 1985.
p 785-794.
DATE 85/00/00

ABSTRACT
KEYWORDS GEOLOGIC DISPOSAL:
LOCATION
REFERENCE

AUTHOR Parneix, J.C.
TYPE acad
ORGANIZATION Paris-6 Univ., 75 France.
TITLE MECHANISMS OF HYDROTHERMAL ALTERATION IN A GRANITIC
ROCK. CONSEQUENCES FOR HIGH-LEVEL RADIOACTIVE WASTE
DISPOSAL. (in French)
PUBLISH June 1987. 219 p.
DATE 87/06/00
ABSTRACT The study of hydrothermal alteration in the auriat
granitic rock has evidenced three main events.

KEYWORDS
LOCATION
REFERENCE GEOLOGIC DISPOSAL: thermodynamics, granite.

AUTHOR Sagefors, K.I.
TYPE
ORGANIZATION Boliden AB, Stockolm, (Sweden).
TITLE METHOD OF DEVELOPMENT WORK FOR A CONSTRUCTION FOR
DEPOSIT OF RADIOACTIVE WASTE IN BEDROCK.
PUBLISH 26 January 1987; 2 April 1985. 15 p.
DATE 87/01/26
ABSTRACT The plant consists of an annular cylinder with conical
ends and is surrounded by clay or bentonite which
works as a barrier for water.
KEYWORDS GEOLOGIC DISPOSAL:
LOCATION
REFERENCE

AUTHOR Jantzen, C.M.
TYPE acad
ORGANIZATION
TITLE METHODS OF SIMULATING LOW REDOX POTENTIAL (Eh) FOR A
BASALT REPOSITORY.
PUBLISH Materials Research Society Symposia Proceedings 26:
613-621.
DATE 84/00/00
ABSTRACT
KEYWORDS GEOLOGIC DISPOSAL: basalt.
LOCATION
REFERENCE

AUTHOR Buckley, L.P.
TYPE govt
ORGANIZATION Atomic Energy of Canada Ltd.
TITLE MICROBIAL ACTIVITY ON BITUMINIZED RADIOACTIVE WASTE.
PUBLISH Radioactive Waste Management & the Nuclear Fuel Cycle.

DATE	March 1985. V. 6(1) p. 19-37.
ABSTRACT	85/03/00 Bitumen has excellent waterproofing qualities which make it suitable for use in radioactive waste disposal. Efforts were made at Chalk River to examine the extent of microbial attack on bituminized waste. The results are presented in this paper.
KEYWORDS	GEOLOGIC DISPOSAL: microbiology.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	MICROBIAL EFFECTS - RADIOACTIVE WASTE DISPOSAL: SUMMARY REPORT.
PUBLISH	
DATE	1985. 19 p.
ABSTRACT	85/00/00
KEYWORDS	GEOLOGIC DISPOSAL: biology.
LOCATION	
REFERENCE	
AUTHOR	Arnott, Don
TYPE	priv
ORGANIZATION	
TITLE	MICROORGANISMS AND NUCLEAR WASTE: A NEGLECTED PROBLEM.
PUBLISH	Inverness, Scotland, 1988, 8pp.
DATE	88/09/00
ABSTRACT	Raises important considerations about microorganism activity in a nuclear waste repository, especially with respect to corrosion of canisters and mutagenicity of microorganisms. Lists studies on the subject carried out by the U.K. National Environmental Research Council and summarizes some of the key findings of this research.
KEYWORDS	GEOLOGIC DISPOSAL: microbiology, corrosion.
LOCATION	
REFERENCE	anne
AUTHOR	Sagefors, Ivar (Boliden-Contech, Stockholm, Sweden)
TYPE	
ORGANIZATION	
TITLE	MINING TECHNIQUE FOR HIGH-LEVEL NUCLEAR WASTE REPOSITORY.
PUBLISH	Trans. Inst. Min. Metall., Sect A. July 1987. V.96 P. 136-138.
DATE	87/07/00
ABSTRACT	A description is given of one of the solutions being considered in Sweden to the problem of the disposal of spent nuclear fuel without reprocessing.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	US DOE Office of Civilian Radioactive Waste Management, Washington DC (USA).
TITLE	MONITORED RETRIEVABLE STORAGE SUBMISSION TO CONGRESS: VOLUME 3 MONITORED RETRIEVABLE STORAGE PROGRAM PLAN.

PUBLISH
DATE
ABSTRACT

March 1987. 172 p.

87/03/00

This document presents the current DOE program objectives and the strategy for implementing the proposed program for the integral MRS facility. The proposal for constructing an MRS facility must include: the establishment of a federal program for

KEYWORDS
LOCATION
REFERENCE

the siting, development, construction, and operation of MRS facilities; a plan for funding the construction and operation of MRS facilities; site specific designs, specifications, and cost estimates for the first such facility.
GEOLOGIC DISPOSAL: design, retrieval.

AUTHOR
TYPE
ORGANIZATION
TITLE

govt

US DOE Office of Civilian Radioactive Waste
MONITORED RETRIEVABLE STORAGE SUBMISSION TO CONGRESS;
VOLUME 1. THE PROPOSAL.

PUBLISH
DATE
ABSTRACT

March 1987. 43 p.

87/03/00

This document contains Department of Energy's proposal for the construction of a facility for monitored retrievable storage (MRS).

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Warren, Jennifer
media

MONUMENT TO ATOMIC AGE: DUMP FOR NUCLEAR WASTE.

Los Angeles Times, Sunday, Mar.19,1989, 7pp.

89/03/19

Article on Yucca Mountain, Nevada, including geological information from both industry and critics. Also suggests State skepticism regarding the site and discusses Nevada public opinion.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: public participation.

anne

AUTHOR
TYPE
ORGANIZATION

Buser, Marcos

assoc

Schweizerische Energie-Stiftung (Swiss Energy Foundation)

TITLE
PUBLISH
DATE
ABSTRACT

MYTHOS GEWAEHR. (in German).

S.E.S., Zurich, April 1988, 221pp.

88/04/00

History of the problem of siting a radioactive waste disposal facility in Switzerland and a review of the Guarantee Project.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL:

S.E.S. Sihlquai 67, CH-8005 Zurich, Switzerland

anne

AUTHOR

Sato, C.; Ochiai, Y.; Takeda, S. (Power Reactor and

	Nuclear Fuel Development Corp., Tokyo, Japan); Come, B. (CEC), Chapman, N.A. (BGS).
TYPE	
ORGANIZATION	Commission of the European Communities, Luxembourg.
TITLE	NATURAL ANALOGUE STUDY OF TONO SANDSTONE TYPE URANIUM DEPOSIT IN JAPAN.
PUBLISH	P. 462-472. Natural Analogues in Radioactive Waste Disposal. Proceedings of a Symposium Organized by the CEC and held in Brussels, BE, on 28-30 April 1987. London. Graham and Trotman. 1987. 506 p. Radioactive Waste Management Series.
DATE	87/04/00
ABSTRACT	The aim of this study is to reveal the geological, geochemical and hydrological conditions favorable to keep uranium series undisturbed for a certain period of time, and to prove the feasibility of underground disposal of radioactive wastes in Japan where geological environment is complicated and unstable.
KEYWORDS	GEOLOGIC DISPOSAL: natural analogues.
LOCATION	
REFERENCE	
AUTHOR	Brookins, D.G. (New Mexico Univ., Albuquerque, USA) Come, B. (CEC); Chapman, N.A. (BGS).
TYPE	acad
ORGANIZATION	Commission of the European Communities, Luxembourg.
TITLE	NATURAL AND ARCHAEOLOGICAL ANALOGUES: A REVIEW.
PUBLISH	P. 42-55. Natural Analogues in Radioactive Waste Disposal. Proceedings of a symposium organized by the CEC and held in Brussels. Graham & Trotman, 1987. 506 p. Radioactive Waste Management Series.
DATE	87/04/00
ABSTRACT	In this chapter natural analogues in the geomedia for various aspects of radioactive waste disposal are discussed.
KEYWORDS	GEOLOGIC DISPOSAL: granite, socio-economic and ecological impacts, natural analogues.
LOCATION	
REFERENCE	
AUTHOR	Jockwer, N.; Gross, S.
TYPE	acad
ORGANIZATION	
TITLE	NATURAL, THERMAL AND RADIOLYTIC GAS LIBERATION IN ROCK SALT AS A RESULT OF DISPOSED HIGH-LEVEL RADIOACTIVE WASTE.
PUBLISH	Materials Research Society Symposia Proceedings 50: 587-594.
DATE	85/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: monitoring, salt.
LOCATION	
REFERENCE	

AUTHOR	Brynard, H.J.
TYPE	acad
ORGANIZATION	
TITLE	NATURE'S WAY TO SAFE DISPOSAL: THE GEOLOGICAL AND GEOCHEMICAL WAY.
PUBLISH	Nuclear Active. Jan. 1989. no. 40.p 2-7.
DATE	89/01/00
ABSTRACT	For the past four years extensive geological and geochemical investigations have been under way to assess the long-term safety and reliability of the Bushmanland rocks in which South Africa's radioactive wastes are stored.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	priv/govt
TYPE	Sandia National Lab. NM (USA); Robbins, Co. (USA).
ORGANIZATION	NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS PROJECT:
TITLE	FINAL REPORT OF CORE DRILL CONCEPTUAL DESIGN STUDY FOR RETRIEVAL OF RADIOACTIVE WASTE DISPOSED IN A GEOLOGIC REPOSITORY.
PUBLISH	Sept. 1987. 48 p.
DATE	87/09/00
ABSTRACT	The system consists of an out of hole drive system with a rotating drill string attached to a core barrel type drill head. This report describes the system's capacity, equipment specifications, operation procedures, manpower and equipment requirements, and capital and operating costs.
KEYWORDS	GEOLOGIC DISPOSAL: design, economics.
LOCATION	
REFERENCE	

AUTHOR	Hopkins, P.L.; Eaton, R.R.; Sinnock, S.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS PROJECT: EFFECT OF DRIFT VENTILATION ON REPOSITORY HYDROLOGY AND RESULTING SOLUTE TRANSPORT IMPLICATIONS.
PUBLISH	May 1987. 49 p.
DATE	87/05/00
ABSTRACT	Yucca Mountain test site is a proposed location for the underground storage of high-level nuclear waste. To perform required inspections after waste emplacement, the repository drifts may need to be ventilated for some period of time before access is practical. This report describes a computational investigation undertaken to determine whether cyclic ventilation
KEYWORDS	would cause a reduction in the saturation of the drift walls and adjacent host rock.
LOCATION	GEOLOGIC DISPOSAL: analytical techniques.
REFERENCE	

AUTHOR	Kunreuther, Howard (Department of Decision Sciences and Department of Public Policy and Management, University of Pennsylvania); Desvousges, William H. (Research Traiangle Institute); Slovic, Paul (University of
--------	---

TYPE	Oregon).
ORGANIZATION	acad
TITLE	NEVADA'S PREDICAMENT.
PUBLISH	Environment, Vol.30, no.8 (U.S), October 1988, 10pp.
DATE	88/10/00
ABSTRACT	Telephone surveys were conducted to investigate public attitudes toward high-level waste repository siting in Nevada or elsewhere. Responses may provide insights into the nature of perceptions and attitudes toward a repository. Overall, perceived risk from a nuclear waste repository run quite high, if this is reflected in people's actions, the impacts could be quite severe. Those who perceive the risk to be high are opposed to siting a repository in Nevada, and are less likely to accept compensation in return for favourable vote.
KEYWORDS	GEOLOGIC DISPOSAL: siting, public participation.
LOCATION	
REFERENCE	NFW 2.2-11-9
AUTHOR	Bertram, S.G.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	NNWSI EXPLORATORY SHAFT SITE AND CONSTRUCTION METHOD RECOMMENDATION REPORT.
PUBLISH	DOE Report 84-1003. Aug. 1984. 106 p.
DATE	84/08/00
ABSTRACT	Alternative construction methods and potential sites were evaluated for the NNWSI project. The effort focussed on an exploratory shaft at Yucca Mountain.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Saari, S.; Hoffer, R.
TYPE	priv
ORGANIZATION	MITRE Corp. VA (USA).
TITLE	NNWSI PRELIMINARY RADIOLOGICAL MONITORING PLAN FOR THE ENVIRONMENT.
PUBLISH	Sandia National Lab Report 83-7131. June 1984. 236 p.
DATE	84/06/00
ABSTRACT	Tuff formations in the Nevada Test Site are being considered as a potential site by the DOE Nevada Nuclear Waste Storage Investigations project for a high-level radioactive waste repository. A preliminary plan for routine surveillance of radionuclides in the study area was prepared.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Cluett, C., et al.
TYPE	govt/assoc
ORGANIZATION	Battelle Human Affairs Reserach Centers.
TITLE	NUCLEAR WASTE REPOSITORY IN BASALT: PRELIMINARY SOCIOECONOMIC ASSESSMENT.
PUBLISH	1984. 156 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: basalt.

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION

TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

govt
Battelle Memorial Inst. Columbus, OH. Office of Nuclear
Waste Isolation.
NUCLEAR WASTE REPOSITORY SIMULATION EXPERIMENTS: ASSE
SALT MINE, FEDERAL REPUBLIC OF GERMANY: ANNUAL REPORT
1984.
Battelle Memorial Inst. ONWI-616, July 1986. 183 p.
86/07/00
GEOLOGIC DISPOSAL: modelling.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

govt
NUCLEAR WASTE: ISSUES CONCERNING DOE'S POSTPONEMENT OF
SECOND REPOSITORY SITING ACTIVITIES.
GAO Report RCED-86-200FS, July, 1986. 21 p.
86/07/00
GEOLOGIC DISPOSAL: policy and administration, siting.

AUTHOR
TYPE
ORGANIZATION
TITLE

Argueello, J.G.; Beraun, R.
govt
Sandia National Lab. NM (USA).
NUMERICAL SIMULATION OF DRIFT RESPONSE IN ROCK SALT

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

RESULTING FROM THE EMPLACEMENT OF RH-TRU (REMOTE
HANDLED TRANSURANIC) WASTE IN AN ARRAY OF HORIZONTAL
LONG BOREHOLES IN A SEPARATE PANEL AT THE WIPP (WASTE
ISOLATION PILOT PLANT).
1987. 9 p.
87/00/00
A series of thermal/structural analyses were performed
to assess the feasibility of the horizontal long
borehole concept for the emplacement of remote handled
transuranic waste at the waste isolation pilot plant.
GEOLOGIC DISPOSAL: thermodynamics.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

West, J.A.
acad
OVERVIEW OF RECENT MICROBIOLOGICAL RESEARCH RELEVANT TO
THE GEOLOGICAL DISPOSAL OF NUCLEAR WASTE 6(1) 79-95.
85/00/00
GEOLOGIC DISPOSAL:

AUTHOR
TYPE

Kale, S.H.
assoc

ORGANIZATION TITLE	International Atomic Energy Agency. Vienna (Austria). OVERVIEW OF THE UNITED STATES PROGRAMME TO DEVELOP GEOLOGICAL REPOSITORIES FOR HIGH-LEVEL RADIOACTIVE WASTE DISPOSAL.
PUBLISH	Proceedings of an International Symposium on the Back End of the Nuclear Fuel Cycle: Strategies and Options. Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987.
DATE	87/00/00
ABSTRACT	The work by the US DOE, authorized under the Nuclear Waste Policy Act of 1982, concerning the geologic disposal of radioactive waste is reviewed.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Cunnane, J.C.
TYPE	
ORGANIZATION	Pacific Northwest Lab. WA (USA).
TITLE	OVERVIEW OF WASTE PACKAGE AND REPOSITORY CONCEPTUAL DESIGNS AND THE CORRESPONDING NEAR-FIELD CONDITIONS.
PUBLISH	Proceedings of Salt Repository Project's Workshop in Brine Migration. March 1987, p.13-14.
DATE	87/03/00
ABSTRACT	Conceptual designs for spent fuel, defence, and commercial high-level waste packages, repository layout concepts, waste package emplacement configurations, and anticipated key environmental factors were presented. Design features for the waste package and repository are closely related to environmental conditions in the near field.
KEYWORDS	GEOLOGIC DISPOSAL: design.
LOCATION	
REFERENCE	
AUTHOR	Krumhansl, J.L. (Sandia National Labs., Albuquerque, NM).
TYPE	govt.
ORGANIZATION	Pacific Northwest Lab. WA (USA).
TITLE	OVERVIEW OF WIPP WASTE PACKAGE AND REPOSITORY CONCEPTUAL DESIGNS.
PUBLISH	Proceedings of Salt Repository Project's Workshop in Brine Migration. March 1987, p.14, Appendix/C.65-C.68.
DATE	87/03/00
ABSTRACT	This presentation described the stratigraphy of the WIPP site, repository design, testroom configurations, and a variety of tests that are either planned or ongoing. Shown and described were the location of site and preliminary design validation tests.
KEYWORDS	GEOLOGIC DISPOSAL: salt, design, containment.
LOCATION	
REFERENCE	
AUTHOR	Keith, Gary
TYPE	govt
ORGANIZATION	Nuclear Waste Studies Program, Texas Department of Agriculture. (USA).
TITLE	PANHANDLE AGRICULTURE, THE U.S. DEPARTMENT OF ENERGY AND THE NUCLEAR WASTE DUMP.
PUBLISH	TDA, October, 1986

DATE	86/10/00
ABSTRACT	Criticizes the DOE for disregarding comments on its draft of the Environmental Assessment for a high-level waste repository in Deaf Smith County, Texas. DOE's refusal to consider agricultural factors means that the siting process is fatally flawed. Details areas where DOE has misrepresented, downplayed or omitted information indicating the significance of agriculture to the region.
KEYWORDS	GEOLOGIC DISPOSAL: siting.
LOCATION	TDA, P.O.Box 12847, Austin, Texas 78711
REFERENCE	anne
AUTHOR	
TYPE	
ORGANIZATION	
TITLE	PERFORMANCE ASSESSMENT OF RADIOACTIVE WASTE REPOSITORIES.
PUBLISH	Science. March 18, 1988. V. 239(486) p. 1389-1393.
DATE	88/03/18
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: monitoring.
LOCATION	
REFERENCE	
AUTHOR	Williams, J.R.; Daemen, J.J.K. (Loma Linda Univ., Dept. of Geological Sciences., Riverside, CA)
TYPE	Post, R.G. (ed.)
ORGANIZATION	acad
TITLE	PERFORMANCE OF BENTONITE/CRUSHED ROCK BOREHOLE PLUGS.
PUBLISH	P. 213-222. Waste Management '87: Waste Isolation in the US, Technical Programs, and Public Education. Tucson, AZ. University of Arizona Nuclear Engineering Dept. 1987.
DATE	87/00/00
ABSTRACT	A mixture of crushed rock and bentonite is being considered as backfill and sealant for high-level nuclear waste repositories. Many variables affect the hydraulic conductivity of such a mixture, including the size and shape of rock particles, method of mixing, water content and density of the clay, and the weight ratio of rock to clay.
KEYWORDS	GEOLOGIC DISPOSAL: backfill, clay.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	acad/media
ORGANIZATION	
TITLE	PERFORMANCE OF HIGH-LEVEL RADIOACTIVE WASTE FORMS WITH A VIEW TO GEOLOGICAL DISPOSAL.
PUBLISH	Mar. 1986. Radioactive Waste Management & the Nuclear Fuel Cycle. V 7(1) p. 83.
DATE	86/03/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Come, B.

TYPE	acad
ORGANIZATION	
TITLE	PERFORMANCES OF HIGH-LEVEL RADIOACTIVE WASTE FORMS WITH A VIEW TO GEOLOGICAL DISPOSAL.
PUBLISH	Radioactive Waste Management and the Nuclear Fuel Cycle 7(1): 83-95.

DATE	86/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	Munson, D.E.; Metalucci, R.V.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	PLANNING, DEVELOPING AND FIELDING OF THERMAL/STRUCTURAL INTERACTIONS: IN SITU TEST FOR THE WASTE ISOLATION PILOT PLANT (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).
PUBLISH	Waste Management Conference 1984. Tucson, AZ (USA). March 11-15, 1984. V. 1, p. 317-334.

DATE	84/03/00
ABSTRACT	Large scale, instrumented underground tests to determine in site thermal/structural responses of bedded salt are being constructed in the Waste Isolation Pilot Plant. The tests will aid in validating long-term prediction methods and in developing a design basis for a future repository.
KEYWORDS	GEOLOGIC DISPOSAL: salt.
LOCATION	
REFERENCE	

AUTHOR	Stormont, J.C.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	PLUGGING AND SEALING PROGRAM FOR THE WASTE ISOLATION PILOT PLANT.

PUBLISH	Sandia National Lab Report 84-1057. Nov. 1984. 55 p.
DATE	84/11/00
ABSTRACT	A plugging and sealing program for the Waste Isolation Pilot Plant radioactive waste repository is described. The program is responsible for developing the design basis and criteria for sealing the penetrations associated with the facility.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	
TYPE	govt
ORGANIZATION	Battelle Memorial Institute. OH (USA). Office of Nuclear Waste Isolation.
TITLE	PRECLOSURE RADIOLOGICAL CALCULATIONS TO SUPPORT SALT SITE EVALUATIONS.
PUBLISH	Jan. 1986.
DATE	86/01/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: salt.

LOCATION
REFERENCE

AUTHOR

Oschman, K.P.; Hummeldorf, R.G.; Hume, H.R.;
Karakouzian, M.; Vakili, J.E.

TYPE
ORGANIZATION

acad
Battelle Memorial Inst., Columbus, OH. Office of
Nuclear Waste Isolation.

TITLE
PRELIMINARY ROCK MECHANICS LABORATORY: INVESTIGATION
PLAN.

PUBLISH
January 1987. 98 p.

DATE
87/01/00

ABSTRACT
This document presents the rationale for rock mechanics
laboratory testing planned for the site
characterization of a nuclear waste repository in
salt.

KEYWORDS
GEOLOGIC DISPOSAL: salt, siting.

LOCATION
REFERENCE

AUTHOR

TYPE
ORGANIZATION

govt
Battelle Memorial Inst. Columbus, OH. Office of Nuclear
Waste Isolation.

TITLE
PRELIMINARY THERMOMECHANICAL ANALYSES OF A CONCEPTUAL
NUCLEAR WASTE REPOSITORY AT FOUR SALT SITES.

PUBLISH
Battelle Memorial Inst. Report ONWI-512, July 1986. 245
p.

DATE
86/07/00

ABSTRACT
GEOLOGIC DISPOSAL: salt, thermodynamics.

KEYWORDS
LOCATION
REFERENCE

AUTHOR

TYPE
ORGANIZATION

Hwang, Y.; Chambre, P.L.; Lee, W.W.; Pigford, T.H.

TITLE
govt
Lawrence Berkeley Lab. CA (USA).
PRESSURE INDUCED BRINE MIGRATION INTO AN OPEN BOREHOLE
IN A SALT REPOSITORY.

PUBLISH
June 1987. 6 p.

DATE
87/06/00

ABSTRACT
This report provides some solutions to models that
predict the brine accumulation in an open borehole. In
this model, brine flow rates are controlled by
pressure differences between the salt and the
borehole.

KEYWORDS
GEOLOGIC DISPOSAL: salt, design.

LOCATION
REFERENCE

AUTHOR

TYPE
Canevall, J.

priv

ORGANIZATION
TITLE

US Commissioner of Patents, Washington, DC (USA).
PROCEDURE FOR PERMANENTLY STORING RADIOACTIVE MATERIAL.

PUBLISH	20 Oct. 1987. VP.
DATE	87/10/20
ABSTRACT	This patent describes a method of storing radioactive material in a hollow construction having an access opening.
KEYWORDS	GEOLOGIC DISPOSAL: design.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv
ORGANIZATION	Pacific Northwest Lab. WA (USA).
TITLE	PROCEEDINGS OF SALT REPOSITORY PROJECT'S WORKSHOP ON BRINE MIGRATION.
PUBLISH	March 1987. 247 p.
DATE	87/0300
ABSTRACT	Individual papers are processed seperately for the data bases.
KEYWORDS	GEOLOGIC DISPOSAL: radionuclide migration.
LOCATION	
REFERENCE	
AUTHOR	Saperstein, L.W.
TYPE	priv
ORGANIZATION	
TITLE	PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON INNOVATIVE MINING SYSTEMS.
PUBLISH	New York, NY. American Society of Mechanical Engineers. 1987. 183 p.
DATE	87/00/00
ABSTRACT	Innovative Mining System Concepts
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Anon.
TYPE	
ORGANIZATION	
TITLE	PROCEEDINGS OF THE 6TH INTERNATIONAL CONGRESS ON ROCK MECHANICS.
PUBLISH	Accord, MA. A.A. Balkema Publishers. 1987. 1361 p.
DATE	87/00/00
ABSTRACT	This book discusses the papers presented at the conference of rock mechanics. Including: radioactive waste disposal with underground mining of rock caverns and salt caverns.
KEYWORDS	GEOLOGIC DISPOSAL: salt.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	
ORGANIZATION	Swedish Nuclear Fuel and Waste Management Co., Stockholm.
TITLE	PROGRAM FOR THE STRIPA PROJECT PHASE 3, 1986-1991.
PUBLISH	May 1987. 77 p.
DATE	87/05/00
ABSTRACT	The following general objectives of a 3rd phase were agreed upon: to integrate various site characterization techniques and methods of analysis for the prediction and validation of groundwater flow

KEYWORDS	and nuclide transport in an unexplored volume of
LOCATION	stripa granite and to demonstrate and verify the use
REFERENCE	of different materials and techniques for sealing
	groundwater flow paths.
	GEOLOGIC DISPOSAL: granite, groundwater.
AUTHOR	Coyle, A.J.; Kalia, H.N.; Eckert, J.L.
TYPE	
ORGANIZATION	Battelle Memorial Institute, Columbus, OH. Office of
	Nuclear Waste Isolation.
TITLE	QUARTERLY BRINE MIGRATION DATA REPORT, MAY-SEPTEMBER
	1983: NUCLEAR WASTE REPOSITORY SIMULATION EXPERIMENTS
	(BRINE MIGRATION), ASSE MINE OF THE FEDERAL REPUBLIC
	OF GERMANY.
PUBLISH	April 1987. 185 p.
DATE	87/04/00
ABSTRACT	The first quarterly brine migration data report
	describes experiments simulating a nuclear waste
	repository at the 880m level of the Asse salt mine in
	the Federal Republic of Germany from may 1983 through
	sept. 1983. This report describes the test equipment,
	the Asse salt mine, and the pretest properties of the
	salt in the test gallery.
	GEOLOGIC DISPOSAL: salt.
KEYWORDS	
LOCATION	
REFERENCE	
AUTHOR	Heremans, R.
TYPE	assoc
ORGANIZATION	Commission of the European Communities, Luxembourg.
TITLE	R & D PROGRAMME ON RADIOACTIVE WASTE DISPOSAL INTO A
	CLAY FORMATION.
PUBLISH	1984. 264 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: clay.
LOCATION	
REFERENCE	
AUTHOR	Ganser, B.; Brinkmann, U.; Brodda, B.G.; Duwe, R.;
	Roellig, K.
TYPE	
ORGANIZATION	Kerforschungsanlage Juelich G.M.B.H., Germany, (F.R.).
TITLE	R AND D ACTIVITIES FOR ULTIMATE DISPOSAL OF HTR SPENT
	FUEL ELEMENTS. (In German)
PUBLISH	P. 147-160. HTGR Fuel Cycle. Proceedings of the Status
	Seminar Covering the Subject Fields: HTRG Fuel Element
	Development - HTR Graphite Development - HTRG Waste
	Management. August 1987. 195 p.
DATE	87/08/00
ABSTRACT	For the direct ultimate disposal of htr spent fuel, the
	lwr MAW storage method is examined, with a view to the
	following aspects: activity released under rock
	pressure, and data of the design basis accidents.
	GEOLOGIC DISPOSAL:
KEYWORDS	
LOCATION	
REFERENCE	
AUTHOR	Ebel, K.; Noack, W.; Petschel, M. (Veb Kernkraftwerk

TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE AUTHOR	Bruno Leuschner, Greifswald (GDR)); Putscher, S. RADIOACTIVE WASTE DISPOSAL FROM THE POINT OF VIEW OF GEOSCIENCES. (in German) Z. Geol. Wiss. 1987. V.15(1) P.73-82. 87/00/00 Concepts for radioactive waste disposal in deep underground rocks are based on the consideration that the host rock in which the waste will be placed, the rocks surrounding it as well as the whole complex of overlying rock layers form a natural barrier that must take on a number of important functions in order to prevent radionuclide migration. GEOLOGIC DISPOSAL: radionuclide migration. Burton, W.R. priv Nuclear Technology Consultants Ltd. (UK). RADIOACTIVE WASTE DISPOSAL. 12 Aug. 1987. 87/08/12 A method for disposal of radioactive waste in a geologic repository is described. GEOLOGIC DISPOSAL: Hambley, D.F.; Mraz, D.Z.; Unterberter, R.R. (and others).
TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	govt Argonne National Lab. IL (USA). RADIOACTIVE WASTE ISOLATION IN SALT: PEER REVIEW OF THE GOLDER ASSOCIATES DRAFT TEST PLAN FOR IN SITU TESTING IN AN EXPLORATORY SHAFT IN SALT. January 1987. 169 p. 87/01/00 This report documents the peer review conducted by Argonne National Lab. of a document entitled "Draft Test Plan for In Situ Testing in an Exploratory Shaft in Salt". GEOLOGIC DISPOSAL: salt. McGinnis, L.D.; Bowen, R.H. govt Argonne National Lab. IL (USA). RADIOACTIVE WASTE ISOLATION IN SALT: SALT REVIEW OF DOCUMENTS DEALING WITH GEOPHYSICAL INVESTIGATIONS. March 1987. 61 p. 87/03/00 The salt repository project, a US DOE program to develop a mined repository in salt for high-level radioactive waste, is governed by a complex and sometimes inconsistent array of laws, administrative regulations, guidelines, and position papers. This report acquaints peer review panels with the regulatory framework as it affects their reviews of

KEYWORDS
LOCATION
REFERENCE

site characterization plans and related documents,
including surface-based and underground test plans.
GEOLOGIC DISPOSAL: salt, regulations.

AUTHOR
TYPE
ORGANIZATION
TITLE

Winter, R.; Fenster, D.
govt
Argonne National Lab. IL (USA).
RADIOACTIVE WASTE ISOLATION IN SALT: PEER REVIEW OF
OFFICE OF NUCLEAR WASTE ISOLATION'S SOCIOECONOMIC
PROGRAM PLAN.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

1984. 50 p.
84/00/00
GEOLOGIC DISPOSAL: salt, economics.

AUTHOR
TYPE
ORGANIZATION

govt
British Parliament, House of Lords, Select Committee on
the European Communities

TITLE
PUBLISH
DATE
ABSTRACT

RADIOACTIVE WASTE MANAGEMENT.
HL Paper 99-1, Session 1987-88, 19th Report, Her
Majesty's Stationery Office, London. July, 1988
88/07/00
Reviews European Community proposals on radioactive
waste. Recommends that deep geological disposal be
vigourously pursued, emphasizes the necessity of in
situ research to augment modeling. Dry storage plans
could give added flexibility to a management program,
reprocessing should continue, in spite of
environmental hazards. Criticizes inconsistent
government policy.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: other alternatives.

AUTHOR
TYPE
ORGANIZATION
TITLE

Forsstroem, H.; Papp, T. (Swedish Nuclear Fuel and
Waste Management Co., Stockholm)

PUBLISH
DATE
ABSTRACT

RADIOACTIVE WASTE MANAGEMENT: FACILITIES AND PLANNING
IN SWEDEN.

Atomwirtsch., Atomtech. April 1988. V.33(4) p.198-201.
88/04/00

As far as the nuclear fuel cycle is concerned, Sweden
differs from other countries in that the twelve
nuclear power plants are compelled by law to
discontinue operation by the year 2010. The Swedish
repository for radioactive waste is being driven into
the rock below the water level near the site of the
Forsmark Nuclear Power Station.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION

Oversby, V.M.
govt

TITLE	REACTION OF THE TOPOPAH SPRING TUFF WITH J-13 WELL WATER AT 90C AND 150 C.
PUBLISH	LLNL Report UCRL-53552. May 30, 1984. 71 p.
DATE	84/05/30
ABSTRACT	The Topopah Spring tuff member is being considered as a candidate for a radioactive waste repository. A series of hydrothermal experiments was conducted using crushed tuff for this formation and natural groundwater from well J-13. Changes in water chemistry due to heating of the rock water system can be expected to be very minor.
KEYWORDS	GEOLOGIC DISPOSAL: hydrogeology, thermodynamics.
LOCATION	
REFERENCE	
AUTHOR	govt
TYPE	Battelle Pacific Northwest Lab. WA (USA).
ORGANIZATION	REDUCING THE LIKELIHOOD OF FUTURE HUMAN ACTIVITIES THAT COULD AFFECT GEOLOGICAL HIGH-LEVEL WASTE REPOSITORIES.
TITLE	Battelle Memorial Institute Report ONWI-537. May 1984.
PUBLISH	138 p.
DATE	84/05/00
ABSTRACT	Disposal of radioactive wastes in deep geologic formations isolates the waste from human populations. However, isolating people from the wastes is a different problem, as future conditions of society are unknown. A task force was convened by DOE to determine whether reasonable means exist to reduce the likelihood of future humans unintentionally intruding on waste isolation systems. Methods are discussed for attaining long-term communications by using permanent markers, and widely disseminated records.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	St. John, C.M.
TYPE	Agapito and Associates, Inc., Rolling Hills Estates, CA; Sandia National Lab. NM (USA).
ORGANIZATION	REFERENCE THERMAL AND THERMAL-MECHANICAL ANALYSES OF DRIFTS FOR VERTICAL AND HORIZONTAL EMPLACEMENT OF NUCLEAR WASTE IN A REPOSITORY IN TUFF.
TITLE	May 1987. 158 p.
PUBLISH	87/05/00
DATE	Two-dimensional thermal and thermal-mechanical analyses of the designs of drifts for vertical and horizontal emplacement of nuclear waste in a repository in tuff were performed using boundary-element and finite-element computer codes.
ABSTRACT	GEOLOGIC DISPOSAL: tuff, analytical technique.
KEYWORDS	
LOCATION	
REFERENCE	
AUTHOR	govt
TYPE	REGION-TO-AREA SCREENING PROCESS (REGION-TO-AREA SCREENING METHODOLOGY FOR THE CRYSTALLINE REPOSITORY PROJECT).
ORGANIZATION	
TITLE	

PUBLISH
DATE
ABSTRACT

DOE Report CH-1. April 1985. p. 1-130.
85/04/00
The DOE Crystalline Repository Project's process for region-to-area screening of exposed and near-surface crystalline rock is described. The screening procedure

KEYWORDS
LOCATION
REFERENCE

is designed to use regionally applicable data to identify areas with the highest likelihood of containing licensable sites.
GEOLOGIC DISPOSAL: siting.

AUTHOR
TYPE
ORGANIZATION

Monsees, J.E.; Streeter, W.S.
priv/govt
Parsons, Brickerhoff, Quade and Douglas, Inc., San Francisco, CA; Sandia National Labs., Albuquerque, NM (USA).

TITLE
PUBLISH
DATE
ABSTRACT

REPOSITORY DESIGN INTEGRATION.
1987.22 p.
87/00/00
The design of the repository must provide flexibility to respond to changes in program guidance, to variability in geologic characteristics, and to site specific requirements.
GEOLOGIC DISPOSAL: siting, design.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION

priv
Robbins Co. WA (USA).
REPOSITORY DRILLED HOLE METHODS STUDY.
Sandia National Labs Report SAND83-7085. July 1984. 87 p.

DATE
ABSTRACT

84/07/00
Vertical and horizontal canister emplacement methods are being considered for use in underground radioactive waste repositories. The technology available, various drilling methods, and equipment for both methods are evaluated.
GEOLOGIC DISPOSAL: waste handling and emplacement.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION

Fernandez, J.; Freshley, M.D.
govt
Sandia National Lab. NM ; Battelle Pacific Northwest Lab. WA (USA).

TITLE
PUBLISH
DATE
ABSTRACT

REPOSITORY SEALING CONCEPTS FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS PROJECT.
Sandia National Lab Report 83-1778. Aug. 1984. 85 p.
84/08/00
Options for sealing a radioactive waste repository in an unsaturated tuff environment are profiled.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL:

AUTHOR	Dormuth, K.W.; Scott, J.S.
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria).
TITLE	RESEARCH AND DEVELOPMENT FOR A PLUTONIC ROCK RADIOACTIVE WASTE DISPOSAL VAULT.
PUBLISH	Radioactive Waste Management. V. 3. Proceedings of an International Conference held by the IAEA in Seattle, 16-20 May 1983. Vienna (Austria). 1984. 565 p.p 221-242.
DATE	84/00/00
ABSTRACT	The Canadian nuclear fuel waste disposal is concentrated on disposal deep in plutonic rock of the Canadian Shield and the geoscience component of the programme is described.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	Ohnuki, T. (Dept. of Environmental Safety Research, Japan Atomic Energy Research Inst., Tokai, Ibaraki) Post, R.G. (ed.).
TYPE	govt
ORGANIZATION	
TITLE	RETARDATION FACTOR OF RADIOACTIVE STRITIUM IN A SANDY SOIL LAYER.
PUBLISH	VP. Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ. University of Arizona Nuclear Engineering Dept. 1987.
DATE	87/00/00
ABSTRACT	The retardation factor of 85SR for a sandy soil layer was determined to be a range from 1000 to 3700 by fitting the concentration distribution of 85SR calculated by the computer code of migstem-fit to that observed in soil columns utilized in STEM (Environmental Simulation Test Program).
KEYWORDS	GEOLOGIC DISPOSAL: sand.
LOCATION	
REFERENCE	

AUTHOR	Tanidous, Nataraja, M.S.; Daemen, J.J.
TYPE	govt
ORGANIZATION	US Nuclear Regulatory Commission. (USA).
TITLE	RETRIEVABILITY OF HIGH-LEVEL NUCLEAR WASTE FROM GEOLOGIC REPOSITORIES - REGULATORY AND ROCK MECHANICS/DESIGN CONSIDERATIONS.
PUBLISH	Rock Mechanics: Proceedings of the 28th US Symposium. MA (USA). 1987. p. 1025-1034.
DATE	87/00/00
ABSTRACT	Retrievability of nuclear waste from high-level geologic repositories is one of the performance objectives identified in 10CFR60 (Code of Regulations,

1985). 10CFR111 states that geologic repository
operations area shall be designed to preserve the
option of waste retrieval. This paper discusses

KEYWORDS	generic considerations affecting retrievability as
LOCATION	they relate to repository design, construction, and
REFERENCE	operation, with emphasis on regulatory and rock
	mechanics aspects.
	GEOLOGIC DISPOSAL: retrieval.
AUTHOR	Kroth, K.; Barnert, E.; Brucher, H.; Niephaus, D.
TYPE	
ORGANIZATION	
TITLE	RETRIEVABLE TEST DISPOSAL OF SPENT HTGR FUEL ELEMENTS
	AND INTERMEDIATE-LEVEL WASTE WASTE IN THE ASSE SALT
	MINE.
PUBLISH	Proceedings of the Symposium on Waste Management.
	Tucson, Arizona. Feb 3-March 28, 1988. V. II -
	High-level Waste and General Interest. p. 761-768.
DATE	88/03/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: salt, retrieval.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Maine Department of Conservation.
TITLE	REVIEW AND OVERSIGHT OF THE US DEPARTMENT OF ENERGY
	CRYSTALLINE REPOSITORY PROJECT ACTIVITIES IN MAINE.
PUBLISH	Technical Progress Report, April 1, 1981 - December 31,
	1985. Maine Geological Survey, 10 p.
DATE	85/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: crystalline.
LOCATION	
REFERENCE	
AUTHOR	Ballivy, G.; Benmokrane, B.; Aitcin, P.C.
TYPE	acad
ORGANIZATION	
TITLE	ROLE DU SCELLEMENT DANS LES ANCRAGES ACTIFS SCHELLES
	DANS LE ROCHER.
PUBLISH	Canadian Geotechnical Journal. Vol. 23(4). 1986. p.
	481-489.
DATE	86/00/00
ABSTRACT	This study examines cement grouts and their
	applicability to geologic disposal of high-level
	nuclear waste.
KEYWORDS	GEOLOGIC DISPOSAL: cement.
LOCATION	
REFERENCE	
REFERENCE	NFW 2.2-11-2
AUTHOR	McPherson, M.J.
TYPE	acad
ORGANIZATION	University of California. Berkeley, CA (USA).
TITLE	ROLE OF MINE VENTILATION IN SITE SELECTION FOR A
	NUCLEAR WASTE REPOSITORY.
PUBLISH	Institute Mining Metallurgy/Engineers (UK) Mine Vent
	3rd Intl Conference. June 13-19, 1984. p. 309-315.
DATE	84/06/00
ABSTRACT	Application of mine ventilation practice and theory to
	measurement of groundwater flow for selecting sites

KEYWORDS	for underground storage of nuclear spent fuel is described.
LOCATION	GEOLOGIC DISPOSAL:
REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	SAFE NUCLEAR WASTE DISPOSAL IN THE CANADIAN SHIELD.
PUBLISH	Engineering Digest V. 32(3) March 1986. p. 46.
DATE	86/03/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Bloser, M.H.
TYPE	govt
ORGANIZATION	Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, (FRG).
TITLE	SAFETY OF RADIOACTIVE WASTE DISPOSAL - REGULATORY PRINCIPLES AND ASPECTS IN THE FEDERAL REPUBLIC OF GERMANY.
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dept. 1987. p. 311-314.
DATE	87/00/00
ABSTRACT	The FRG is undertaking a program for disposing of radioactive wastes in deep land based geologic formations. Licensing documents for a repository in the disused iron-ore mine 'Konrad' have been submitted to the licensing authority. Safety analyses were carried out both for the operational and post-closure phases.
KEYWORDS	GEOLOGIC DISPOSAL: safety analysis.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	
TITLE	SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE QUARTER 1 JULY 30 - SEPTEMBER 1985.
PUBLISH	DOE Report CH/10140-03(85-4). 1986. 112 p.
DATE	86/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: salt.
LOCATION	
REFERENCE	
AUTHOR	Cramer, J.J.
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Limited.
TITLE	SANDSTONE-HOSTED URANIUM DEPOSITS IN NORTHERN SASKATCHEWAN AS NATURAL ANALOGS TO NUCLEAR FUEL WASTE DISPOSAL VAULTS.
PUBLISH	11 p. (1986). Reprinted from Chemical Geology (1986) 55:269-279.
DATE	86/00/00

ABSTRACT
KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: sand.

AUTHOR

Voss, C.F.; Nelson, J.W.; Rhoderick, J.E. (Pacific Northwest Labs, Washington, DC)
Post, R.G. (ed.)
priv

TYPE
ORGANIZATION
TITLE

SELECTION OF SITE-CHARACTERIZATION TESTS IN THE EXPLORATORY SHAFT FACILITY AT THREE CANDIDATE REPOSITORY SITES.

PUBLISH

P. 169-174. Waste Management '87: Waste Isolation in the US, Technical Programs, and Public Education. Tucson, AZ. University of Arizona Nuclear Engineering Dept. 1987.

DATE
ABSTRACT

87/00/00

Various in situ tests will be conducted in the exploratory shaft facilities at each of the candidate repository sites. This paper compares preliminary tests plans for the Nevada, Washington, and Texas sites, identifying differences and similarities among them.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: siting.

AUTHOR
TYPE
ORGANIZATION

Kreusch, J.; Hirsch, H.
assoc
Gruppe Okologie, (Ecology Group) Germany.

TITLE

SICHERHEITS PROBLEME DER ENDLAGERUNG RADIOAKTIVER ABFALLE IM SALZ. (in German).

PUBLISH

Gruppe Okologie, Hannover, February, 1984

DATE

84/02/00

ABSTRACT

Examines social and technical criticisms of the salt disposal program in FRG. Examines industry assumptions about realistic and conservative values.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: salt.

anne

AUTHOR
TYPE
ORGANIZATION

Hutson, J.L.
priv
Nuclear Development Corp. of South Africa Ltd. Pelindaba, Pretoria.

TITLE

SIMULATIONS OF WATER AND SOLUTE MOVEMENT IN THE BURIED WASTE REPOSITORY AT VAALPUTS.

PUBLISH

January 1987. 18 p.

DATE

87/01/00

ABSTRACT

The objectives of this series are 1) to extend the simulations from the surface to the bottom of the repository, accounting for the placement of drums. 2) to examine the magnitude and direction of water fluxes throughout this depth and 3) to simulate the movement of solutes, using various assumptions regarding solute absorption.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: groundwater.

AUTHOR	MacDougall, H.R.; Scully, L.W.; Tillerson, J.R.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	SITE CHARACTERIZATION PLAN: CONCEPTUAL DESIGN REPORT: VOLUME 5, APPENDICES P-R: NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS PROJECT.
PUBLISH	September 1987. 789 p.
DATE	87/09/00
ABSTRACT	This report summarizes the design bases, design and performance criteria, and the design analyses performed.
KEYWORDS	GEOLOGIC DISPOSAL: siting, design.
LOCATION	
REFERENCE	

AUTHOR	MacDougall, H.R.; Scully, L.W.; Tillerson, J.R. (comps.)
TYPE	priv/govt
ORGANIZATION	Sandia National Lab. NM; Bechtel National, Inc. San Francisco, CA; Parsons, Brinckerhoff, Quade and Douglas, Inc. San Francisco, CA (USA).
TITLE	SITE CHARACTERIZATION PLAN: CONCEPTUAL DESIGN REPORT,

PUBLISH	VOLUME 1: CHAPTERS 1-3 (NNWSI)
DATE	September 1987. 277 p.
ABSTRACT	87/09/00 The site for the prospective repository is located at Yucca Mountain in Southwestern Nevada, and the waste emplacement area will be constructed in the underlying volcanic tuffs. This report summarizes the design bases, design and performance criteria, and the design analyses performed.
KEYWORDS	GEOLOGIC DISPOSAL: siting, design.
LOCATION	
REFERENCE	

AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	SOIL AND CLIMATE PARAMETERS FOR POST-CLOSURE BIOSPHERE ASSESSMENT OF NUCLEAR FUEL WASTE DISPOSAL.
PUBLISH	Atomic Energy of Canada Ltd., 1985. 100 p.
DATE	85/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: earth science.
LOCATION	
REFERENCE	

AUTHOR	Cranwell, R.M. (Sandia National Labs, Albuquerque, NM) (and others)
TYPE	govt
ORGANIZATION	Nuclear Energy Agency. 75- Paris, (France).
TITLE	SOURCES/TREATMENT OF UNCERTAINTIES IN THE PERFORMANCE ASSESSMENT OF GEOLOGIC RADIOACTIVE WASTE REPOSITORIES.
PUBLISH	P. 53-65. Uncertainty analysis for performance assessments of radioactive waste disposal systems. Proceedings of an NEA workshop. Paris, France. Organization for Economic Co-operation and Development, 1987. 258 p.
DATE	87/00/00
ABSTRACT	Uncertainties in the performance assessment of geologic waste repositories have several sources. This paper

KEYWORDS
LOCATION
REFERENCE

discusses each of these uncertainties and outlines
methods for addressing these uncertainties.
GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE

Bradley, D.J.
govt
Pacific Northwest Lab. WA (USA).
SPENT FUEL PERFORMANCE IN GEOLOGIC REPOSITORY
ENVIRONMENTS.

PUBLISH
DATE

April 1987. 46 p.
87/04/00

ABSTRACT

The performance assessment of the waste package is a
current area of study in the US program to develop a
geologic repository for nuclear waste isolation. This
paper discusses the US program directed towards
managing high-level radioactive waste with emphasis on
the current effort to define the behaviour of
irradiated spent fuel in repository environments.
GEOLOGIC DISPOSAL: containment.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

govt
SPENT FUEL TEST-CLIMAX: AN EVALUATION OF THE TECHNICAL
FEASIBILITY OF GEOLOGIC STORAGE OF SPENT NUCLEAR FUEL
IN GRANITE.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

LLNL Report UCRL-53762, September 86. 19 p.
86/09/00

GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE

Reicher, Dan W.
assoc
Natural Resources Defence Council. (USA).
STATEMENT BEFORE THE SUBCOMMITTEE ON ENERGY AND THE
ENVIRONMENT OF THE HOUSE COMMITTEE ON INTERIOR AND
INSULAR AFFAIRS REGARDING THE WASTE ISOLATION PILOT
PLANT.

PUBLISH
DATE
ABSTRACT

NRDC, Washington, D.C., December, 1987, 16pp.
87/12/08

Testimony opposing the intention of U.S. Department of
Energy to emplace 15% of the total volume of wastes at
the WIPP in New Mexico, before demonstrating
compliance with EPA standards for storage and disposal
of nuclear waste. Disputes DOE's claim that the first
15% will be "experimental disposal". The EPA
standards are designed to protect public health and
safety at any stage of waste emplacement.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: risk analysis.
NRDC, 917 15th St. NW, Washington, D.C. 20005
anne

AUTHOR
TYPE
ORGANIZATION

Schneider, H.

TITLE	STATUS OF FINAL DISPOSAL PROJECTS IN THE FEDERAL REPUBLIC OF GERMANY.
PUBLISH DATE	Kerntechnik. (Mar-Apr 1987). V. 50(1) P. 9-12. 87/03/00
ABSTRACT	Since 1979 the Gorleben site has been investigated for its suitability with regard to the disposal of all types of solid radioactive wastes.
KEYWORDS LOCATION REFERENCE	GEOLOGIC DISPOSAL: siting.
AUTHOR TYPE ORGANIZATION	Hooker, G.J.; Coleman, H.W. Du Pont De Nemours and Co. Aiken, SC. Savannah River Plant.
TITLE PUBLISH DATE ABSTRACT	STORAGE VAULT FOR URANIUM OXIDE. 1987. 3 p. 87/00/00 The conceptual design of a vault for storage of uranium oxide has been evaluated. Unique features of the proposed design are the storage racks, radiation shielding, and the method of surveillance.
KEYWORDS LOCATION REFERENCE	GEOLOGIC DISPOSAL: design.
AUTHOR TYPE ORGANIZATION TITLE	priv/govt Ontario Hydro. (Canada). STRENGTH AND HYDRAULIC CONDUCTIVITY OF CLAY-BASED BUFFERS FOR A DEEP UNDERGROUND NUCLEAR FUEL WASTE DISPOSAL VAULT.
PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	1984. 1 v. 84/00/00 GEOLOGIC DISPOSAL: buffers.
AUTHOR TYPE ORGANIZATION	Ministerie van Economische Zaken, The Hague, Netherlands. Commissie Opberging te Land.
TITLE	STUDY CONCERNING THE GEOLOGICAL STORAGE OF RADIOACTIVE WASTE IN THE NETHERLANDS, SECOND INTERIM REPORT ON PHASE 1 (JAN 1986- JAN 1987).(in Dutch)
PUBLISH DATE ABSTRACT	March 1987. 113 p. 87/03/00 This report presents an intermediate state of affairs in the execution of the first stage of the program of research concerning the geological storage of nuclear waste in the Netherlands.
KEYWORDS LOCATION REFERENCE	GEOLOGIC DISPOSAL:

AUTHOR	Fabriol, R. (Bureau de Recherches Geologiques et Miniers, 45-Orleans, France).
TYPE	Commission of the European Communities, Luxembourg.
ORGANIZATION	STUDY OF DISSOLUTION PHENOMENA RELATED TO HEAT
TITLE	GENERATED BY UNDERGROUND DISPOSAL. VOL.1. COMPARISON WITH ACTIVE HYDROTHERMALISM. (in French)
PUBLISH	1987. 26 p.
DATE	87/00/00
ABSTRACT	This study is composed of two parts developed in two separated volumes. The first part is a bibliographical research concerning the behavior of waste analog elements during hydrothermal alteration in active geothermal fields. The second part is an experimental and theoretical simulation of dissolution-precipitation phenomena related to heat generated in the vicinity of a nuclear waste repository located in granitic formations. GEOLOGIC DISPOSAL: granite, thermodynamics.
KEYWORDS	
LOCATION	
REFERENCE	
AUTHOR	Oustriere, P.; Fabriol, R.; Defoix, D. (Bureau de Recherches Geologiques et Minieres, 45-Orleans, France).
TYPE	Commission of the European Communities, Luxembourg.
ORGANIZATION	STUDY OF DISSOLUTION-PRECIPITATION PHENOMENA RELATED TO HEAT GENERATED BY UNDERGROUND DISPOSAL. VOL.2.
TITLE	EXPERIMENTAL AND THEORETICAL STUDY OF DISSOLUTION AND PRECIPITATION PHENOMENA IN GRANITE.
PUBLISH	1987. 38 p.
DATE	87/00/00
ABSTRACT	This study is composed of two parts developed in two separated volumes. The first part is a bibliographical research concerning the behavior of waste analog elements during hydrothermal alteration in active geothermal fields. The second part is an experimental and theoretical simulation of dissolution-precipitation phenomena related to heat generated in the vicinity of a nuclear waste repository located in granitic formations. GEOLOGIC DISPOSAL: granite, thermodynamics.
KEYWORDS	
LOCATION	
REFERENCE	
AUTHOR	Camus, H.; Lion, R.
TYPE	govt
ORGANIZATION	CEA Centre d'Etudes Nucleaires de Cadarche. (France).
TITLE	STUDY OF MICROORGANISMS PRESENT IN DEEP GEOLOGIC FORMATIONS.
PUBLISH	1987. 58 p.
DATE	87/00/00
ABSTRACT	The authors make reference to a complete as possible literature on the existence of microorganisms in high activity radioactive wastes storage in deep geological

KEYWORDS	disposal.
LOCATION	GEOLOGIC DISPOSAL:
REFERENCE	
AUTHOR	Russell, B.F.; Hubbell, J.M.; Humphrey, T.G. (Idaho National Engineering Lab., Idaho Falls); Post, R.G. (ed.).
TYPE	govt
ORGANIZATION	
TITLE	SUBSURFACE INVESTIGATIONS AT THE RADIOACTIVE WASTE MANAGEMENT COMPLEX OF THE IDAHO NATIONAL ENGINEERING LABORATORY.
PUBLISH	p. 373-380. Waste Management '87: Waste Isolation in the US, Technical Programs, and Public Education. Tucson, AZ. Univ. of Arizona Nuclear Engineering Dept. 1987.
DATE	87/00/00
ABSTRACT	Specific methods and studies are presented including a discussion of the contamination-control measures and a variety of unsaturated zone instrumentation employed for the study.
KEYWORDS	GEOLOGIC DISPOSAL: radionuclide migration.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv
ORGANIZATION	Morrison-Knudsen Engineers, Inc. San Francisco, CA; Fluor Technology, Inc. Irvine, CA (USA).
TITLE	SUBSURFACE QUALITY ASSURANCE PRACTICES.
PUBLISH	August 1987. 60 p.
DATE	87/08/00
ABSTRACT	This report addresses only the concept of applying nuclear quality assurance practices to repository shaft and subsurface design and construction; how NQA will be applied; and the level of detail required in the documentation for construction of a shaft and subsurface repository in contrast to the level of detail required in the documentation for construction of a traditional mine.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	McCombie, C.
TYPE	
ORGANIZATION	KERTA.
TITLE	
PUBLISH	SWISS PROJECTS FOR THE FINAL DISPOSAL OF RADIOACTIVE WASTES.
DATE	Kernttechnik. (Mar-Apr 1987). V. 50(1) P. 29-33.
ABSTRACT	87/03/00 At present, the major part of the discussion does not focus on technical assessment methodology and data, but rather on interpretation of the available geologic data for high-level waste disposal planning.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	

TYPE	govt
ORGANIZATION	
TITLE	SYSTEMS ENGINEERING MANAGEMENT PLAN FOR THE SALT REPOSITORY PROJECT.
PUBLISH	DOE Report CH-21. August 1986. 89 p.
DATE	86/08/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: engineering.
LOCATION	
REFERENCE	
AUTHOR	Petroll, M. (Deutsches Atomforum E.V., Bonn, Germany, F.R.).
TYPE	
ORGANIZATION	
TITLE	TAKING THE 'WORRY' OUT OF THE BACK END OF THE FUEL CYCLE.
PUBLISH	Nucl. Eur. January 1987. V.7(1-2) P.25-27.
DATE	87/01/00
ABSTRACT	The current federal policy is to reprocess the spent fuel and to dispose of the resulting waste into geological formations.
KEYWORDS	GEOLOGIC DISPOSAL: reprocessing.
LOCATION	
REFERENCE	
AUTHOR	Wood, M.I.; Ames, L.L.; McGarrah, J.E. (Rockwell Hanford Operations, Richland, WA).
TYPE	priv
ORGANIZATION	Argonne National Lab. Il (USA).
TITLE	TC BEHAVIOR IN THE BASALT-SYNTHETIC GROUNDWATER SYSTEM AS A FUNCTION OF TEMPERATURE AND INITIAL OXYGEN CONTENT.
PUBLISH	P. 695-702. Scientific Basis for Nuclear Waste Management X. Pittsburgh, PA (USA). Materials Research Society. 1987.
DATE	87/00/00
ABSTRACT	Experiments have been completed in the basalt-TC-doped groundwater system to quantify the mobility of TC in
KEYWORDS	the waste package and near field environment in a repository located in basalt. Data indicate that the potential exists in a basalt hydrothermal environment to satisfactorily immobilize TC.
LOCATION	GEOLOGIC DISPOSAL: groundwater, basalt.
REFERENCE	
AUTHOR	Fernandez, J.A.; Kelsall, P.C.; Case, J.B.; Meyer, D.
TYPE	priv/govt
ORGANIZATION	Sandia National Lab. NM; IT Corp. Albuquerque, NM (USA).
TITLE	TECHNICAL BASIS FOR PERFORMANCE GOALS, DESIGN REQUIREMENTS, AND MATERIAL RECOMMENDATIONS FOR THE NNWSI REPOSITORY SEALING ROGRAM.
PUBLISH	September 1987. 355 p.
DATE	87/09/00
ABSTRACT	The objectives are to develop performance goals, to assess the need for seals, to define design requirements, and to recommend potential sealing materials for the sealing system. Performance goals are the allowable amounts of water that can enter the

KEYWORDS	waste disposal areas directly from the rock mass above
LOCATION	the repository and indirectly from shafts and ramps
REFERENCE	connecting to the underground facility.
	GEOLOGIC DISPOSAL: geology, design.
AUTHOR	Holtz, G.
TYPE	
ORGANIZATION	
TITLE	TECHNICAL DESIGN OF THE KONRAD REPOSITORY. (IN GERMAN).
PUBLISH	Kerntechnik. (Mar-Apr 1987). V. 50(1) P. 18-21.
DATE	87/03/00
ABSTRACT	The former iron ore mine Konrad is to be used as a repository for radioactive wastes which do not produce heat. The conversion of the mine into a repository as well as the mining and disposal operations are described.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Wurm, K.J.; Bloom, S.G.; Atterbury, W.G.; Hetteberg, J.R.
TYPE	
ORGANIZATION	Battelle Memorial Inst., Columbus, OH. Office of Nuclear Waste Isolation.
TITLE	TEMP: A FINITE HEAT TRANSFER CODE FOR GEOLOGIC REPOSITORIES FOR NUCLEAR WASTE.
PUBLISH	October 1987. 354 p.
DATE	87/10/00
ABSTRACT	TEMP is a FORTRAN computer code for calculating temperatures in a geologic repository for nuclear waste.
KEYWORDS	GEOLOGIC DISPOSAL: thermodynamics, modelling.
LOCATION	
REFERENCE	
AUTHOR	Farmer, I.W.; Daemen, J.J.; Desai, C.S.; Glass, C.E.; Neumann, S.P.; Yow, J.L.
TYPE	govt
ORGANIZATION	Lawrence Livermore National Lab. CA (USA).
TITLE	TEST CONCEPT FOR WASTE PACKAGE ENVIRONMENT TESTS AT YUCCA MOUNTAIN.
PUBLISH	Rock Mechanics: Proceedings of the 28th US Symposium. MA (USA). 1987. p. 1035-1042.
DATE	87/00/00
ABSTRACT	The status and development of tests on the Nevada Nuclear Waste Storage Investigations project are described.
KEYWORDS	GEOLOGIC DISPOSAL: tuff.
LOCATION	
REFERENCE	
AUTHOR	Bruecher, H.; Barnert, E.; Kroth, K.; Niephaus, D.
TYPE	
ORGANIZATION	KERTA.
TITLE	TEST DISPOSAL OF MEDIUM ACTIVE WASTE AND SPENT HIGH-TEMPERATURE REACTOR FUEL ELEMENTS IN THE ASSE SALT MINE. (IN GERMAN).
PUBLISH	Kerntechnik. (Mar-Apr 1987). V. 50 (1) P. 40-44.

DATE	87/03/00
ABSTRACT	In the Federal Republic of Germany radioactive waste with perceptible heat generation will be disposed in vertical boreholes in rock salt. Objectives and structure of this project are presented and the status of work is outlined.
KEYWORDS	GEOLOGIC DISPOSAL: salt.
LOCATION	
REFERENCE	
AUTHOR	Homme, Paul
TYPE	assoc
ORGANIZATION	Minnesota Future Agricultural Interests Recognized (MNFAIR).
TITLE	TESTIMONY PRESENTED TO LEGISLATIVE COMMISSION ON WASTE MANAGEMENT.
PUBLISH	January, 1987, 7pp.
DATE	84/01/23
ABSTRACT	Disposal of hazardous waste in crystalline bedrock can within limits be compared to disposal of high-level nuclear wastes. Site specific testing will probably

KEYWORDS	always be necessary. Discusses costs of actual site selection program, including the need for extensive evaluation and possible abandonment of sites before finding one that is technically suitable.
LOCATION	GEOLOGIC DISPOSAL: siting.
REFERENCE	MNFAIR, R.R.1, Box 26B, Belview, MN 56214
AUTHOR	Skogen, Marvin
TYPE	priv
ORGANIZATION	
TITLE	TESTIMONY PRESENTED TO LEGISLATIVE COMMISSION ON WASTE MANAGEMENT.
PUBLISH	January, 1984, 2pp.
DATE	84/01/23
ABSTRACT	Citizen comments on the suitability of granite bedrock for hazardous waste disposal. Points out inconsistencies that lead to distrust in the siting process.
KEYWORDS	GEOLOGIC DISPOSAL: siting.
LOCATION	
REFERENCE	anne

AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	TESTING METHODS FOR EVALUATING THE EFFECTIVENESS OF BOREHOLE PLUGS.
PUBLISH	1986. 46 p.
DATE	86/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	Monastersky, R.
TYPE	media
ORGANIZATION	
TITLE	THE 10,000 YEAR TEST: FEDERAL SCIENTISTS FOCUS THEIR SCRUTINY AND MORE THAN \$1 BILLION ON NEVADA'S YUCCA

PUBLISH	MOUNTAIN, THE PROBABLE SITE OF THE NATION'S FIRST HIGH-LEVEL RADIOACTIVE WASTE DUMP. Science News. February 27, 1988. Vol. 133(9). p. 129-144.
DATE	88/02/27
ABSTRACT	The paper discusses the work taking place at Yucca Mountain concerning the geologic disposal of high-level radioactive waste.
KEYWORDS	GEOLOGIC DISPOSAL: siting.
LOCATION	
REFERENCE	NFW 2.2-11-5
AUTHOR	Sharland, S.M.; Tasker, P.W.
TYPE	assoc
ORGANIZATION	UKAEA Atomic Energy Research Establishment, Harwell. Theoretical Physics Div.
TITLE	THE AERATION PERIOD OF A MODEL NUCLEAR WASTE REPOSITORY.
PUBLISH	February 1987. 22 p.
DATE	87/02/00
ABSTRACT	We have constructed a model of the evolution of oxygen in a cement backfill which includes both its depletion through the canister corrosion reactions and its migration in cement pores.
KEYWORDS	GEOLOGIC DISPOSAL: backfill, containment, corrosion, modelling.
LOCATION	
REFERENCE	
AUTHOR	Liebetrau, A.M.; Apted, M.J.; Engel, D.W.; Altenhofen, M.K.; Strachan, D.M.; Reid, C.R.; Windisch, C.F.; Erikson, R.L.; Johnson, K.I.
TYPE	priv
ORGANIZATION	Pacific Northwest Lab. WA (USA).
TITLE	THE ANALYTICAL REPOSITORY SOURCE-TERM (AREST) MODEL: DESCRIPTION AND DOCUMENTATION.
PUBLISH	October 1987. 207 p.
DATE	87/10/00
ABSTRACT	The geologic repository system consists of several components, one of which is the engineered barrier system. The engineered barrier system interfaces with natural barriers that constitute the setting of the repository.
KEYWORDS	GEOLOGIC DISPOSAL: modelling, engineering.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv
ORGANIZATION	Mott Hay & Anderson, (UK).
TITLE	THE BACKFILLING AND SEALING OF RADIOACTIVE WASTE REPOSITORIES.
PUBLISH	CEC Report 9115 EN. 1984. v. 1. 279 p.
DATE	84/00/00
ABSTRACT	Operational and placement properties required for backfilling and sealing of high-level radioactive waste repositories are addressed.
KEYWORDS	GEOLOGIC DISPOSAL: backfill.
LOCATION	
REFERENCE	

AUTHOR
TYPE
ORGANIZATION

Baumgartner, P.; Simmons, G.R.
govt
Atomic Energy of Canada Limited.

TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

THE CANADIAN NUCLEAR FUEL WASTE DISPOSAL CONCEPT AND
RELATED RESEARCH PROGRAMS.
29 p. (1986). Presented at Acres Geotechnical Seminar,
Niagara Falls, Ontario, April 18-19 1986.
86/00/00

GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION

Dormuth, K.W.; Nuttall, K. (AECL, Pinawa, Man.,
Whiteshell Nuclear Research Establishment)
govt

TITLE
PUBLISH

THE CANADIAN NUCLEAR FUEL WASTE MANAGEMENT PROGRAM.
Radioact. Waste Manage. Nucl. Fuel Cycle. September
1987. V. 8(2-3) P. 93-104.

DATE
ABSTRACT

87/09/00
Canada has established an extensive research program to
develop and demonstrate the technology for safely
disposing of nuclear fuel waste from nuclear
generating stations. The program focuses on the
concept of disposal deep in plutonic rock.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Simmons, G.R.; Davison, C.C.; Rigby, G.L.
govt
Atomic Energy of Canada Ltd.
THE CANADIAN UNDERGROUND RESEARCH LABORATORY.
Radioactive Waste Management. V. 3. Proceedings of an
International Conference held by the IAEA in Seattle,
16-20 May 1983. Vienna (Austria). 1984. 565 p.p
291-300.

DATE
ABSTRACT

84/00/00
An underground research laboratory is being developed
as one component of geotechnical research in the
CNFWMP. It, and its activities are described here.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE

Lake, L.M.; Bennett, A. (Mott, Hay and Anderson,
Croydon, UK)
priv
Commission of the European Communities, Luxembourg.
THE COMMUNITY PROJECT ON ENGINEERING ASPECTS OF
BACKFILLING AND SEALING OF RADIOACTIVE WASTE
REPOSITORIES.

PUBLISH
DATE

1987. 60 P.
87/00/00

ABSTRACT	This report summarizes the work carried out under CEC contracts about engineering aspects of backfilling and sealing of radioactive waste repositories, for the time period 1983-84.
KEYWORDS	GEOLOGIC DISPOSAL: engineering.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	acad
ORGANIZATION	
TITLE	THE CONCEPT OF DESIGNING TWO INDEPENDENT VENTILATION SYSTEMS FOR THE NUCLEAR WASTE REPOSITORY IN BASALT.
PUBLISH	University of Nevada, 2nd US Mine Ventilation Symposium, September 23-25, 1985. p. 299-310.
DATE	85/09/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: design.
LOCATION	
REFERENCE	
AUTHOR	Jarvis, R.G.; Adam, R.Y.; Bretzlaaff, C.I.; Laurens, J.M.; Wilkinson, S.R.
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Limited.
TITLE	THE COSMOS-S/D ASSESSMENT CODE COMPLEX FOR A SLB REPOSITORY AT CNRL.
PUBLISH	5 p. (1986). Presented at the Second International Conference on Radioactive Waste Management, Winnipeg, Manitoba, 7-11 September 1986.
DATE	86/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Macilmoyle, J.T.; Matalucci, R.V.; Ogden, H.C.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	THE DATA AQUISITION SYSTEM FOR THE WASTE ISOLATION PILOT PLANT IN SITU TESTS.
PUBLISH	August 1987. 47 p.
DATE	87/08/00
ABSTRACT	The in situ tests associated with the waste isolation pilot plant address technical issues of thermal/structural interaction, waste package performance, and plugging and sealing.
KEYWORDS	GEOLOGIC DISPOSAL: thermodynamics, containment.
LOCATION	
REFERENCE	
AUTHOR	Parker, Frank L.; Broshears, Robert E.; Pasztor, Janos
TYPE	
ORGANIZATION	acad
TITLE	The Beijer Institute, Royal Swedish Academy of Sciences. (Sweden).
	THE DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE 1984, VOL.1 AND 2.

PUBLISH	The Beijer Institute, Stockholm, October, 1984, 209pp.
DATE	84/10/31
ABSTRACT	Reviews scientific literature and other publications from technical, regulatory, environmental and ecological groups, on the main issues in geological disposal of high-level waste. Examines the programs of eight countries. Concludes that there is no rigorous, scientifically-valid "solution" to the disposal problems, rather "solutions" will be found in national (including legal, socio-economic etc) contexts.
KEYWORDS	GEOLOGIC DISPOSAL: international.
LOCATION	
REFERENCE	anne
AUTHOR	Oscarson, D.W.; Stroes-Gascoyne, S.; Cheung, S.C.H.
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Limited.
TITLE	THE EFFECT OF ORGANIC MATTER IN CLAY SEALING MATERIALS ON THE PERFORMANCE OF A NUCLEAR FUEL WASTE DISPOSAL VAULT.
PUBLISH	1986. 23 p.
DATE	86/00/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: clay.
LOCATION	
REFERENCE	
AUTHOR	Dixon, D.A.; Gray, M.N.
TYPE	govt
ORGANIZATION	
TITLE	THE ENGINEERING PROPERTIES OF BUFFER MATERIAL RESEARCH AT WHITESHELL NUCLEAR RESEARCH ESTABLISHMENT.
PUBLISH	Proceedings of the Nineteenth Information Meeting of the Nuclear Fuel Waste Management Program. Atomic Energy of Canada Ltd. Technical Record. TR-350. V. 3. Sept. 1985. p. 513-530.
DATE	85/09/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: engineering, buffers.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	acad
ORGANIZATION	
TITLE	THE EXPLORATORY SHAFT AND THE DESIGN VENTILATION SYSTEM.
PUBLISH	
DATE	
ABSTRACT	University of Nevada, 2nd US Mine Ventilation Symposium, September 23-25, 1985. p. 323-330.
KEYWORDS	85/09/00
LOCATION	
REFERENCE	GEOLOGIC DISPOSAL: design
AUTHOR	
TYPE	Goodwin, B.W.
ORGANIZATION	govt
TITLE	Atomic Energy of Canada Ltd.
PUBLISH	THE GEOCHEMISTRY OF HIGH-LEVEL WASTE DISPOSAL IN GRANITIC ROCKS.
	CEC Report EUR 9162 EN. 1984. 121 p.

DATE	84/00/00
ABSTRACT	The proceedings and conclusions of a CEC workshop on the geochemistry of high-level waste disposal in granitic rocks, held in the UK, during September, 1984, are compiled. Topics covered include, the validity of long-term waste from release models, thermodynamic data analysis using linear inequalities, and techniques for applying complex sorption data from mechanistic studies to transport models.
KEYWORDS	GEOLOGIC DISPOSAL: thermodynamics, radionuclide migration, granite.
LOCATION	
REFERENCE	
AUTHOR	Chapman, N.A.; McKinley, I.G.
TYPE	
ORGANIZATION	
TITLE	THE GEOLOGICAL DISPOSAL OF NUCLEAR WASTE.
PUBLISH	New York, NY. John Wiley and Sons, Inc. 1987. 300 p.
DATE	87/00/00
ABSTRACT	The authors consider the future of nuclear power in terms of radioactive waste management. The presentation tackles the subject in a detailed and integrated manner while making the information accessible both to those involved in the field and to the non-scientific reader. It analyses the principals of nuclear waste management, methods and problems of disposal and safety assessments, and uses modelling techniques to demonstrate the effectiveness of barrier materials.
KEYWORDS	GEOLOGIC DISPOSAL: waste management.
LOCATION	
REFERENCE	
AUTHOR	Chapman, N.A; McKinley, I.G.; Hill, M.D.
TYPE	assoc
ORGANIZATION	National Radiological Protection Board, (UK).; Killingbeck Hospital, (UK).; Eidgenoessisches Inst.
TITLE	fuer Reaktorforschung, (Switzerland).
PUBLISH	THE GEOLOGICAL DISPOSAL OF NUCLEAR WASTE.
DATE	Chichester. John Wiley and Sons. (UK). 1987. 292 p.
ABSTRACT	87/00/00 This book tackles the problems associated with the geological disposal of nuclear waste. The effects of radioactivity on the environment, radioactive waste and the fuel cycle, radionuclide migration, the building and operation of deep repositories, shallow burial and the principles of waste management and safety assessment are discussed.
KEYWORDS	GEOLOGIC DISPOSAL: radionuclide migration, safety analysis.
LOCATION	
REFERENCE	
AUTHOR	Bornemann, O.
TYPE	
ORGANIZATION	KERTA.
TITLE	THE GEOLOGICAL RECONNAISSANCE OF THE GORLEBEN MINE.
PUBLISH	Kerntechnik. (May 1987). V. 50(2) P. 138-142.
DATE	87/05/00
ABSTRACT	As part of the investigation of the Gorleben salt dome

KEYWORDS
LOCATION
REFERENCE

four test boreholes and two boreholes preparatory to the construction of shafts were drilled.
GEOLOGIC DISPOSAL: salt.

AUTHOR

Berg, H.P.; Brennecke, P.W.; Thomauske, B.R.
(Physikalisch-Technische Bundesanstalt, Braunschweig, Germany, F.R.)

TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

THE GERMAN KONRAD REPOSITORY PROJECT.
Prog. Nucl. Energy. 1987. V.20(3). P. 255-307.
87/00/00
In the F.R.G., it is planned to dispose of radioactive waste with negligible heat generation in the abandoned Konrad iron ore mine.
GEOLOGIC DISPOSAL:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Baetsle, L.H.; Bonne, A.; DeJonghe, P.
assoc
Canadian Nuclear Society. (Canada).
THE HADES DEMONSTRATION PROJECT FOR RADWASTE DISPOSAL IN DEEP CLAY.
Canadian Nuclear Society 2nd International Conference on Radioactive Waste Management. Sept. 7-11, 1986. p. 55-59.

PUBLISH

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

86/09/00
GEOLOGIC DISPOSAL: clay.

AUTHOR
TYPE
ORGANIZATION
TITLE

Matalucci, R.V.
govt
Sandia National Lab. NM (USA).
THE INTEGRATED IN SITU TESTING PROGRAM FOR THE WASTE ISOLATION PILOT PLANT (WIPP).

PUBLISH
DATE
ABSTRACT

Mar 1987. 70 p.
87/03/00
The US Department of Energy (DOE) is developing the Waste Isolation Pilot Plant (WIPP) Project in southeastern New Mexico as a research and development (R and D) facility for examining the response of bedded (layered) salt to the emplacement of radioactive wastes generated from defence programs. The WIPP experimental program consists of a technology development program, including laboratory testing and theoretical analysis activities, and an in situ testing program that is being done underground at the project site. This experimental program addresses three major technical areas that concern (1) thermal/structural interactions, (2) plugging and sealing, and (3) waste package performance.
GEOLOGIC DISPOSAL: salt.

KEYWORDS
LOCATION
REFERENCE

AUTHOR

Fyfe, W.S. (Department of Geology, University of

TYPE	Western Ontario)
ORGANIZATION	acad Hauptabteilung fur die Sicherheit der Kernanlagen (HSK) Switzerland.
TITLE	THE NAGRA FEASIBILITY STUDY FOR THE DISPOSAL OF HIGH-LEVEL WASTE IN CRYSTALLINE ROCKS: REVIEW OF SOME GEOCHEMICAL ASPECTS.
PUBLISH	Expertenberichte zum Projekt Gewaehr, January, 1986, 18pp.
DATE	86/01/00
ABSTRACT	Raises serious questions in relation to matrix diffusion under the Swiss artesian conditions, over-reliance on drill cores, sorption of radionuclides and the need for rock- and site-specific study, reactions of bentonite backfill with canister material and with rock surfaces. Also raises concerns with the hydrogeological and geophysical regime with respect to faults and seismic activity.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	

REFERENCE	anne
AUTHOR	Vons, L.H.
TYPE	govt
ORGANIZATION	Netherlands Energy Research Foundation. (NH).
TITLE	THE OPLA-RESEARCH PROGRAM ON THE FINAL DISPOSAL OF RADIOACTIVE WASTE IN GEOLOGICAL FORMATIONS (SALT) IN THE NETHERLANDS.
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dept. 1987. p. 673-676.
DATE	87/00/00
ABSTRACT	The OPLA program is the Dutch National research work on the final disposal, focussed on rocksalt formations, of all radioactive wastes.
KEYWORDS	GEOLOGIC DISPOSAL: design, waste management.
LOCATION	
REFERENCE	

AUTHOR	Quick, J.
TYPE	
ORGANIZATION	
TITLE	THE PROBLEM OF RADIOACTIVE WASTE.
PUBLISH	Atom, London. May 1988. No. 379. P. 19-21.
DATE	88/05/00
ABSTRACT	The paper reports on a conference entitled "radioactive waste management" London, 1988. The need to consider radioactive waste disposal was emphasized in view of a possible trend towards more nuclear power stations being built in the United Kingdom. The disposal methods were described, along with the proposed burial in deep repositories. Public acceptance of radioactive waste disposal and the environmentalist's view of the issue were also discussed.
KEYWORDS	GEOLOGIC DISPOSAL: public participation, ecological impacts.
LOCATION	
REFERENCE	

AUTHOR	Fischer, D.; Ness, K.; Perik, M.; Schroeder, C.
--------	---

TYPE	acad
ORGANIZATION	Atommuellendlager Schacht Konrad. (FRG).
TITLE	THE RADIOACTIVE WASTE REPOSITORY IN THE KONRAD SHAFT. (IN GERMAN).
PUBLISH	Marburg. (FRG). SP-Verl. 1989. 168 p.
DATE	89/00/00
ABSTRACT	The most urgent problem to be solved by the nuclear industry is the LAW releasing very little decay heat, which contributes about 95 per cent of the total waste to be disposed in the FRG. This type of waste is planned to be buried in the abandoned iron ore shaft

KEYWORDS	Konrad. The authors of the contributions in this book display their different approaches to and conclusions on the problem of the Konrad shaft being used as a waste repository.
LOCATION	GEOLOGIC DISPOSAL:
REFERENCE	

AUTHOR	Vandergraaf, T.T.
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Limited.
TITLE	THE ROLE OF ISOTOPE GEOCHEMISTRY STUDIES IN THE CANADIAN NUCLEAR FUEL WASTE MANAGEMENT PROGRAM.
PUBLISH	Applied Geochemistry. Jan.-Feb. 1987. V. 2(1) p. 5-9.
DATE	87/01/00
ABSTRACT	A method for the safe disposal of used nuclear fuel wastes from Canadian nuclear power generating facilities is being sought. The concept that is being developed involves the disposal of these wastes in a cavity, mined at a depth of 500-1000 m in a plutonic rock formation.

KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	Williams, J.R.; Daemen, J.J.K.
TYPE	acad
ORGANIZATION	Arizona University. Tucson (USA).
TITLE	THE SEALING PERFORMANCE OF BENTONITE/CRUSHED BASALT BOREHOLE PLUGS.
PUBLISH	November 1987, 268 p.
DATE	87/11/00
ABSTRACT	Mixtures of crushed rock and bentonite are considered for backfilling and sealing high-level nuclear waste repositories.

KEYWORDS	GEOLOGIC DISPOSAL: basalt.
LOCATION	
REFERENCE	

AUTHOR	Stucker, D.; Montgomery, J.E. (Office of Civilian Radioactive Waste Management, US DOE, Washington, DC)
TYPE	govt
ORGANIZATION	
TITLE	THE SITING AND LICENSING ROLE OF THE EXPLORATORY SHAFT FACILITY.
PUBLISH	P. 175-180. Waste Management '87: Waste Isolation in the US, Technical Programs, and Public Education. Tucson, AZ. University of Arizona Nuclear Engineering Dept. 1987.

DATE
ABSTRACT

87/00/00
The test facility that will provide the access and

KEYWORDS
LOCATION
REFERENCE

support for in situ testing and monitoring activities at each of the three candidate horizons for the first repository is called the exploratory shaft facility.
GEOLOGIC DISPOSAL: siting.

AUTHOR
TYPE
ORGANIZATION
TITLE

Monastersky, Richard
media

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

THE TEN THOUSAND-YEAR TEST: FEDERAL SCIENTISTS FOCUS THEIR SCRUTINY AND MORE THAN ONE BILLION DOLLARS ON NEVADA'S YUCCA MOUNTAIN, THE PROBABLE SITE OF THE NATION'S FIRST HIGH-LEVEL RADIOACTIVE WASTE DUMP. Science News (February 27 1988) 133(9):139-141.
88/02/27

GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE

Janssen, L.G.
govt
Energieonderzoek Centrum Nederland. (Netherlands).
THE THERMO-MECHANICAL BEHAVIOUR OF A SALT DOME WITH A HEAT-GENERATING WASTE REPOSITORY.
CEC Report 9205 EN. 1984. 158 p.
84/00/00

PUBLISH
DATE
ABSTRACT

The storage of high-level waste in a salt dome influences the mechanical behaviour of the surrounding salt due to the temperature rise caused by waste heat production. Analytical models were derived for thermo-mechanical analysis of such salt dome behaviour.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: salt, thermodynamics.

AUTHOR
TYPE
ORGANIZATION
TITLE

Stinebaugh, R.E.
govt
Sandia National Lab. NM (USA).
THE UNDERGROUND SYSTEM FOR DISPOSAL OF CONTACT HANDLED TRANSURANIC WASTE AT THE POTENTIAL YUCCA MOUNTAIN REPOSITORY.

PUBLISH
DATE
ABSTRACT

US Sandia National Lab Report 84-0343. Sept. 1984. 39 p.
84/09/00

A system of underground rooms and equipment for transport, placement and disposal of radioactive wastes in geologic repositories is discussed as part of the Nevada Nuclear Waste Storage Investigation.

KEYWORDS

GEOLOGIC DISPOSAL:

LOCATION
REFERENCE

AUTHOR

TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

Loken, M.C.; Callahan, G.D.; Svalstad, D.K.; Wagner, R.A.

priv
RE/SPEC Inc., Rapid City, SD (USA).
THERMOMECHANICAL ANALYSES OF CONCEPTUAL REPOSITORY
DESIGNS FOR THE PARADOX AND PERMIAN BASINS.

November 1987, 505 p.
87/11/00

The potential repositories are designed to accomodate all waste forms emplaced at various thermal loadings. The study evaluates the design parameters, primarily thermal loading, based on a comparison of calculable thermomechanical paramenters with prescribed performance constraints.
GEOLOGIC DISPOSAL: design, thermodynamics.

Hansen, F.D.; Vogt, T.J.

priv
RE/SPEC, Inc. Rapid City, SD (USA).
THERMOMECHANICAL PROPERTIES OF SELECTED SHALES.
August 1987. 86 p.

87/08/00

The experimental work discussed in this report is part of an ongoing program concerning evaluation of sedimentary and other rock types as potential hosts for a geologic repository.
GEOLOGIC DISPOSAL: shale.

Cranwell, R.M.

priv
Sandia National Lab. NM (USA).
TREATMENT OF UNCERTAINTIES IN THE GEOLOGIC DISPOSAL OF
RADIOACTIVE WASTE.

1985. 17 p.
85/00/00

GEOLOGIC DISPOSAL: safety analysis.

govt

TRIAL STORAGE OF HIGH-LEVEL WASTE CYLINDERS IN THE ASSE
II SALT MINE.

CEC Report EUR 8797 EN. 1984. 198 p.
84/00/00

Temperature test simulating the storage of high-level radioactive waste canisters were conducted in the Asse salt mine in West Germany. A computer program devised to examine the heat generation of wastes is described.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: salt, thermodynamics.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Reference Repository Conditions Interface Working Group.
assoc

TYPICAL REPOSITORY CONDITIONS FOR GENERIC COMMERCIAL AND DEFENCE HIGH-LEVEL NUCLEAR WASTE AND SPENT FUEL REPOSITORIES IN CRYSTALLINE ROCK.

Technical Report, Battelle Memorial Institute. 36 p.
84/00/00

GEOLOGIC DISPOSAL: crystalline.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Weldon, Peter, et. al.
assoc

Memphramagog Conservation, Inc.(Canada).
U.S. NUCLEAR DUMP SITES IN THE WATERSHED OF LAKE MEMPHRAMAGOG.

M.C.I. Magog, Quebec, 1986
86/00/00

This is a bound compilation of documents and articles pertaining to the U.S. Department of Energy proposals for locating possible nuclear waste repositories in crystalline rock of Vermont and New Hampshire.

GEOLOGIC DISPOSAL: siting.

M.C.I.Inc. R.R.2, Chemin Southiere, Magog, Quebec J1X 3W3

anne

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Sjoreen, A.L., et al.
govt

Oak Ridge National Lab. TN (USA).

UNCERTAINTIES IN THE LONG-TERM REPOSITORY PERFORMANCE DUE TO THE EFFECTS OF FUTURE GEOLOGIC PROCESSES.

Topical Report ORNL-6049. 35 p.
84/00/00

GEOLOGIC DISPOSAL: safety analysis.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

media

UNDERGROUND STORAGE SAFE: (ATOMIC ENERGY OF CANADA LTD.)

Halifax Chronicle Herald, Oct. 9, 1985. p. 2-C.
85/10/09

GEOLOGIC DISPOSAL: safety analysis.

AUTHOR
TYPE
ORGANIZATION

acad

TITLE	UNITED STATES CRYSTALLINE REPOSITORY PROJECT: KEY RESEARCH.
PUBLISH	Nuclear Waste Management Symposium. Stockholm (Sweden). Sept. 9-11, 1985. p. 17.
DATE	85/09/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Luik, A.E. Van (Pacific Northwest Lab, Richland, WA, USA); Come, B. (CEC); Chapman, N.A. (BGS).
TYPE	
ORGANIZATION	Commission of the European Communities, Luxembourg.
TITLE	URANIUM IN SELECTED ENDORHEIC BASINS AS PARTIAL ANALOGUE FOR SPENT FUEL BEHAVIOR IN SALT.
PUBLISH	P. 94-103. Natural Analogues in Radioactive Waste Disposal. Proceedings of a symposium organized by the CEC and held in Brussels. Graham & Trotman, 1987. 506 p. Radioactive Waste Management Series.
DATE	87/04/00
ABSTRACT	If uranium behavior with respect to the components of certain terminal lake brines were quantitatively understood, the ability to predict the long-term redistribution of emplaced uranium among analogous components of salt formations may be enhanced.
KEYWORDS	GEOLOGIC DISPOSAL: salt.
LOCATION	
REFERENCE	
AUTHOR	Carter, L.J.
TYPE	
ORGANIZATION	
TITLE	US NUCLEAR WASTE PROGRAM AT AN IMPASSE.
PUBLISH	Resources. Summer 1987. P. 1-4.
DATE	87/06/00
ABSTRACT	Congress is grappling again with the elusive problem of
KEYWORDS	the storage and permanent disposal of spent fuel from nuclear reactors. The need for innovative approaches to resolve this issue is more evident now than ever before.
LOCATION	GEOLOGIC DISPOSAL:
REFERENCE	
AUTHOR	Brennecke, P.; Essmann, J.; Geiser, H.; Rittscher, D.; Schuchardt, M.C.
TYPE	govt
ORGANIZATION	assorted (FRG).
TITLE	USE OF CONTAINERS FOR THE FINAL STORAGE OF RADIOACTIVE WASTE IN THE KONRAD MINE.
PUBLISH	At. Strom. July-Oct. 1987. V. 33(4/5) p. 116-123.
DATE	87/07/00
ABSTRACT	The final storage of radioactive waste with negligible heat development is planned in the Konrad mine. The authors report on containers which are to be used for this waste.
KEYWORDS	GEOLOGIC DISPOSAL: containment.
LOCATION	
REFERENCE	

AUTHOR
TYPE
ORGANIZATION

priv
Morrison-Knudson Engineers, Inc., San Francisco, CA
(USA) ; Fluor Technology, Inc., Irvine, CA (USA).
UTILITY SERVICE ENTRANCE IN BOREHOLES.

TITLE
PUBLISH
DATE
ABSTRACT

August 1987, 79 p.
87/08/00
This study evaluates alternatives for utility service
entrances to the repository. We determined the
requirements for a repository service supply. These
requirements were defined as safety, maintainability,
flexibility, reliability, cost efficiency, voltage
regulation, and simplicity of operation.
GEOLOGIC DISPOSAL: design.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Lopez, R.S.; Johnson, L.H.
govt
Atomic Energy of Canada Limited.
VAULT SEALING RESEARCH AND DEVELOPMENT FOR THE CANADIAN
NUCLEAR FUEL WASTE MANAGEMENT PROGRAM.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

1986. 82 p.
86/00/00
GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE

Leneveu, D.M.
govt
Atomic Energy of Canada Limited.
VAULT SUBMODEL FOR THE SECOND INTERIM ASSESSMENT OF THE
CANADIAN CONCEPT FOR NUCLEAR FUEL WASTE DISPOSAL:
POST-CLOSURE PHASE.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

1986. 143 p.
86/00/00
GEOLOGIC DISPOSAL:

AUTHOR
TYPE
ORGANIZATION

Wallace, K.G. Jr.
priv
Mine Ventilation Services, Inc. Lafayette, CA (USA);
Sandia National Lab. NM (USA).

TITLE
PUBLISH
DATE
ABSTRACT

VENTILATION PLANNING FOR A PROSPECTIVE NUCLEAR WASTE
REPOSITORY.
1987. 25 p.
87/00/00
This paper describes the preliminary ventilation
systems designed for the repository in tuff. The
concept provides separate ventilation systems for the
construction and waste emplacement activities. The
paper further describes the means by which acceptable
environmental conditions will be re-established to
allow re-entry into previously closed rooms for the
purpose of inspections, maintenance or retrieval.
GEOLOGIC DISPOSAL: tuff.

KEYWORDS
LOCATION
REFERENCE

AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	govt VOLCANIC HAZARD ASSESSMENT FOR DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE. US National Research Council Report. 1986. p. 247-261. 86/00/00 GEOLOGIC DISPOSAL: risk analysis.
AUTHOR TYPE ORGANIZATION TITLE	Carr, J.A. (Battelle Project Management Div., Office of Nuclear Waste Isolation, Columbus, OH) Post, R.G. (ed.). WASTE FORM PERFORMANCE ALLOCATION, FUNCTIONAL
PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	REQUIREMENTS, AND TESTING PROGRAMS OF THE SALT REPOSITORY PROJECT RELATIVE TO WASTE ACCEPTANCE SPECIFICATIONS FOR GLASS HIGH-LEVEL WASTE FORMS. P. 335-338. Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ. University of Arizona Nuclear Engineering Dept. 1987. 87/00/00 The salt repository project is one of the four US DOE projects associated with the deep geologic disposal of high-level nuclear waste. GEOLOGIC DISPOSAL: salt, glass.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	priv Morrison-Knudson Engineers, Inc., San Francisco, CA; Fluor Technology, Inc., Irvine, CA (USA). WASTE HOIST TECHNOLOGY. September 1987. 119 p. 87/09/00 This report evaluates unique applications of current hoisting design practice that satisfy the waste package transfer functional requirements for a nuclear waste repository in salt. GEOLOGIC DISPOSAL: salt, design.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Halstead, Bob govt State of Wisconsin, Department of Energy. (USA). WASTE MANAGEMENT '88 -INTERNATIONAL STATUS OF NUCLEAR WASTE MANAGEMENT. Memo, Madison, March, 1988, 6pp. 88/03/22 Reviews presentations by Eva Rosinger and Kenneth Dormuth of AECL on the status of the spent fuel disposal research in Manitoba. Comments that the field work is impressive and significant for both Canadian and international programs. However, the

conclusions appear to be premature and possibly unjustified. Many of the relevant experiments are not scheduled for completion until 1993-94, making it difficult for AECL to present a strong case in the concept assessment document in 1991 or 1992.
GEOLOGIC DISPOSAL:

KEYWORDS
LOCATION
REFERENCE

anne

AUTHOR

TYPE
ORGANIZATION
TITLE

WASTE MANAGEMENT EFFORT ON SCHEDULE: "BUSINESS APPROACH".

PUBLISH
DATE
ABSTRACT

DOE This Month. Aug. 1984. V. 7(8). p. 1-3.
84/08/00

Ben Rusche, the first director of the DOE Office of Civilian Radioactive Waste Management, reports that efforts towards siting and constructing the first geologic repository for high-level waste are on schedule. An interview reveals his policies and attitudes concerning waste disposal safety.
GEOLOGIC DISPOSAL: siting, policy and administration.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION

govt
Battelle Memorial Institute. OH (USA). Office of Nuclear Waste Isolation.

TITLE

WASTE PACKAGE REFERENCE CONCEPTUAL DESIGNS FOR A REPOSITORY IN SALT.

PUBLISH
DATE
ABSTRACT

Feb. 1986.
86/02/00

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: salt, containment.

AUTHOR
TYPE
ORGANIZATION
TITLE

Gilbert, T.L.; Meshkov, N.K.
govt
Argonne National Lab. IL (USA).
WASTE-ACCEPTANCE CRITERIA FOR RADIOACTIVE WASTE DISPOSAL.

PUBLISH
DATE
ABSTRACT

February 1987. 8 p.
87/02/00

A method has been developed for establishing waste-acceptance criteria based on quantitative performance factors that characterize the confinement capabilities of a disposal facility for radioactive waste.

KEYWORDS
LOCATION
REFERENCE

GEOLOGIC DISPOSAL: waste characterization.

AUTHOR

Sadler, J.W. (Westinghouse Electric Corp., Carlsbad, NM)
priv

TYPE
ORGANIZATION
TITLE
PUBLISH

WIPP GETS READY FOR OPERATION.
Nucl. Eng. Int. December 1987. V.32(401) P.57-58,

DATE	87/12/00
ABSTRACT	The WIPP is a facility for the permanent deep geological disposal of nuclear waste.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Argueello, J.G.; Torres, T.M.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	WIPP PANEL ENTRYWAY SEAL: NUMERICAL SIMULATION OF SEAL COMPONENT/FORMATION INTERACTION FOR PRELIMINARY DESIGN EVALUATION.
PUBLISH	December 1987. 4 p.
DATE	87/12/00
ABSTRACT	A two-dimensional plane strain geomechanical model of the configuration is used to numerically simulate and compute the interaction of each component with the formation. The structural response of the component itself and that of the formation, resulting from this interaction, is then evaluated.
KEYWORDS	GEOLOGIC DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Wicks, G.G.; Molecke, M.A.
TYPE	priv/govt
ORGANIZATION	Savannah River Lab. SC; Sandia National Lab. NM (USA).
TITLE	WIPP/SRL IN SITU TESTING PROGRAM: AN APRIL 1987 UPDATE.
PUBLISH	1987. 16 p.
DATE	87/00/00
ABSTRACT	On July 22, 1986, the first series of in situ tests involving burial of simulated nuclear waste forms and proposed package components was begun in the US. This represents the first group of samples that will be studied and evaluated in the five year MIIT program. This paper provides an overview of the MIIT program to update this effort.
KEYWORDS	GEOLOGIC DISPOSAL: monitoring.
LOCATION	
REFERENCE	
AUTHOR	Horgan, John.
TYPE	media
ORGANIZATION	
TITLE	YUCCA MOUNTAIN, NEVADA: CAN IT CONTAIN OUR DEADLIEST NUCLEAR WASTE FOR 10,000 YEARS?
PUBLISH	Scientific American (June 1988) 258(6):18.
DATE	88/06/00
ABSTRACT	
KEYWORDS	GEOLOGIC DISPOSAL: safety analysis.
LOCATION	

AUTHOR	Anderson, D.R. (ed.).
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	10TH INTERNATIONAL MEETING OF THE NEA (NUCLEAR ENERGY AGENCY) COORDINATED PROGRAM TO ASSESS THE SUBSEABED DISPOSAL OF NUCLEAR WASTE: VOLUME 1.
PUBLISH	February 1987. 141 p.
DATE	87/02/00
ABSTRACT	Reports of the coordinating bureau, radiological assessment, biological oceanography, site assessment, physical oceanography, engineering studies, near-field, and sediment barrier task groups are presented.
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	Kupferman, S.I.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	1984 SUBSEABED DISPOSAL PROJECT ANNUAL REPORT: PHYSICAL OCEANOGRAPHY AND WATER COLUMN GEOCHEMISTRY STUDIES: OCTOBER 1983 THROUGH SEPTEMBER 1984.
PUBLISH	March 1987. 108 p.
DATE	87/03/00
ABSTRACT	This report covers the work of the physical oceanography and water column geochemistry group of the Subseabed Disposal Project from Oct. '83 to Sept. '84. A summary of the work is given which includes an introduction to and general descriptions of the groups' activities.
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	Pritchard, George; Martin, Steve.
TYPE	
ORGANIZATION	SANJE.
TITLE	AN AGONIZING DECISION.
PUBLISH	Scram J. (May-Jun 1987):13.
DATE	87/05/00
ABSTRACT	The former nuclear campaigner for Greenpeace, George Pritchard, explains why he resigned from Greenpeace. Although opposed to the nuclear industry he is committed to solving the waste problem created by it. Currently, (1987) he is involved in a company which proposes a safe method of undersea disposal of nuclear waste. This scheme is expensive, but, the company claims, is safe for the environment and the public. The proposed method of disposal has not yet been made public.
KEYWORDS	MARINE DISPOSAL: ethics.

LOCATION
REFERENCE

AUTHOR | Kaplan, M.F.; Klett, R.

TYPE	priv/govt
ORGANIZATION	Analytic Corp. MA; US Canada National Labs. NM (USA).
TITLE	BIOLOGICAL AND PHYSICAL OCEANOGRAPHIC SENSITIVITY ANALYSES FOR SUBSEABED DISPOSAL OF HIGH-LEVEL WASTE.
PUBLISH	Sandia National Lab Report 7107. November 1984. 53 p.
DATE	84/11/00
ABSTRACT	The subseabed disposal concept for high-level radioactive waste is examined in terms of sediment properties and deep sea biology. The physical and biological transport of radionuclides is analyzed with system models that cover release rates, partition coefficients, and ocean transport parameters.
KEYWORDS	MARINE DISPOSAL: biology.
LOCATION	
REFERENCE	
AUTHOR	Dickey, A.; Wyman, V.
TYPE	
ORGANIZATION	
TITLE	BURIAL (OF NUCLEAR WASTE) AT SEA.
PUBLISH	Engineer, London. 1 October 1987. p.26-28.
DATE	87/10/01
ABSTRACT	Two proposals for schemes to bury radioactive waste at sea are considered.
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Gomez, L.S.; Marietta, M.G.; Jackson, D.W.
TYPE	govt
ORGANIZATION	Sandia National Labs. NM (USA).
TITLE	COMPILATION OF SELECTED MARINE ECOLOGICAL DATA FOR THE US SUBSEABED PROGRAM: SUMMARIES OF AVAILABLE RADIOECOLOGICAL CONCENTRATION FACTORS AND BIOLOGICAL HALF-LIVES.
PUBLISH	April 1987. 288 p.
DATE	87/04/00
ABSTRACT	The US subseabed disposal program has compiled an extensive concentration factor and biological half-life database from the marine radioecological literature.
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Hutchinson, B.L.; Laible, D.H.; Kristensen, D.H.; Jagannathan, S.
TYPE	priv/govt
ORGANIZATION	
TITLE	
PUBLISH	
DATE	
ABSTRACT	
KEYWORDS	
LOCATION	
REFERENCE	
ORGANIZATION	Glasten Associates, Inc. Seattle, WA; Sandia National Labs. NM (USA).
TITLE	CONCEPTUAL DESIGN AND PROBABALISTIC SAFETY ASSESSMENT FOR A NUCLEAR WASTE TRANSPORT AND EMPLACEMENT SHIP.
PUBLISH	1987. 30 p.
DATE	87/00/00
ABSTRACT	A conceptual design is presented for a ship designed to transport high-level radioactive waste and emplace that waste in deep stable ocean sediment formations using gravity penetrators.
KEYWORDS	MARINE DISPOSAL: transport, safety analysis.
LOCATION	
REFERENCE	

AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Weiss, H.V. CONCRETIZATION OF HIGH-LEVEL RADIOACTIVE SOURCE IN MARINE SEDIMENT. 13 January 1987. VP. 87/01/13 A method is described of forming a concretized coating which encapsulates a canister of heat producing materials and provides protection against corrosion by seawater when the canister is placed in an ocean floor-sediment environment. MARINE DISPOSAL: containment, corrosion, concrete.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Copson, A.G. priv Consolidated Environmental Technologies Limited, (UK). CONSTRUCTION AND USE OF SUBSEA BORE HOLES. 16 Sept. 1987. ; 12 March 1986. 17 p. 86/03/12 The construction and use of a subsea bore hole are discussed in this paper. MARINE DISPOSAL: engineering.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION	assoc International Atomic Energy Agency. Vienna (Austria). DEEP SEA DISPOSAL: SCIENTIFIC BASIS TO CONTROL POLLUTION. April 1986. V. 28(1) p. 29. 86/04/00 MARINE DISPOSAL:
REFERENCE	
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Shirley, C.G., et al. govt Sandia National Lab. NM (USA). DESCRIPTION OF THE REFERENCE TRANSPORTATION SYSTEM FOR THE SUBSEABED DISPOSAL OF HIGH-LEVEL WASTE. 1985. 70 p. 85/00/00 MARINE DISPOSAL: transport.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH	Higgo, J.J.W.; Rees, L.V.C.; Cole, T.G.; Cronan, D.S. (Imperial Coll. of Science and Technology, Lodon, UK) acad Department of the Environment. London (UK). DIFFUSION OF RADIONUCLIDES THROUGH DEEP-SEA SEDIMENTS. P. 34. Chemistry and Migration Behavior of Actinides and Fission Products in the Geosphere. Abstracts. 1987. 196 p.

DATE	87/05/00
ABSTRACT	Methods for the direct determination of diffusion coefficients in deep-sea sediments were developed and compared.
KEYWORDS	MARINE DISPOSAL: radionuclide migration.
LOCATION	
REFERENCE	
AUTHOR	Anderson, D.R. (ed.).
TYPE	govt/acad
ORGANIZATION	OECD Nuclear Energy Agency.
TITLE	EIGHTH INTERNATIONAL NEA/SEABED WORKING GROUP MEETING.
PUBLISH	May 30 - June 3, 1983. 402 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria).
TITLE	ENVIRONMENTAL ASSESSMENT METHODOLOGIES FOR SEA DUMPING OF RADIOACTIVE WASTES: RECOMMENDATIONS.
PUBLISH	Safety Series No. 65. 42 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	MARINE DISPOSAL: analytical techniques, international.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt/acad
ORGANIZATION	OECD Nuclear Energy Agency.
TITLE	FEASIBILITY OF DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE INTO THE SEABED: OVERVIEW OF RESEARCH AND CONCLUSIONS.
PUBLISH	January 1988. 60 p.
DATE	88/01/00
ABSTRACT	An overview of research performed by the Seabed Working Group concerning the marine disposal of high-level radioactive waste is presented.
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Sheppard, L.E. (Sandia National Labs, Albuquerque, NM); Auffret, G.A. (Inst. Francais du Petrole, France); Buckley, D.E. (Bedford Inst. of Oceanography, Dartmouth, N.S.); Schuettenhelm, R.T.E. (Geological Survey of the Metherlands, Haarlem); Searle, R.C. (Inst. of Oceanographic Sciences, Wormley, Surrey, UK)
TYPE	govt/acad
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	FEASIBILITY OF DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTES INTO THE SEABED: GEOSCIENCE CHARACTERIZATION STUDIES.
PUBLISH	January 1988. 324 P.
DATE	88/01/00
ABSTRACT	This report summarizes the results of the geoscience characterization studies that have been performed by investigators from member nations of the seabed

working group and draws conclusions on geoscience feasibility using the data base established over this time.

MARINE DISPOSAL: international.

KEYWORDS
LOCATION
REFERENCE

Taylor Woodrow Construction Ltd.
priv

FEASIBILITY STUDY OF THE OFFSHORE DISPOSAL OF
RADIOACTIVE WASTE BY DRILLED EMPLACEMENT. COST AND
LOGISTICAL STUDY.

Southall, (UK). 1984. 30 p.
84/00/00

MARINE DISPOSAL: waste handling and emplacement.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Mitchell, .I. (University Coll., Dublin, Ireland. Dept.

of Experimental Physics); Vidal-Quadras, A.; Font,
J.L.; Iiva, M. (Universidad Autonoma de Barcelona,
Spain. Dept. de Fisica)
acad

GAMMA RADIOACTIVITY IN THE IBERIAN MARINE ENVIRONMENT
CLOSEST TO THE NEA DUMPING SITE.

J. Environ. Radioact. 1988. V.6(1) P.77-89.
88/00/00

The distributions of Cs-137 and some naturally occurring
gamma-emitters in a range of environmental samples,
collected along the north-west Iberian coastline
during Apr. 1984, are presented.

MARINE DISPOSAL: biology.

TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

Zhou, Z.H.; Fyfe, W.S.; Tazaki, K. (Univ. of Western
Ont., London, Ont, CAN. Dept. of Geology); Come, B.
(CEC); Chapman, N.A. (BGS).
acad

Commission of the European Communities, Luxembourg.

GLASS STABILITY IN THE MARINE ENVIRONMENT.

P. 153-164. Natural Analogues in Radioactive Waste
Disposal. Proceedings of a symposium organized by the
CEC and held in Brussels. Graham & Trotman, 1987. 506
p. Radioactive Waste Management Series.

87/04/00

Similarities in corrosion behavior have been found in
static leaching experiments on natural and waste form
glasses in seawater and marine sediments.

MARINE DISPOSAL: leaching, marine disposal, glass,
corrosion.

AUTHOR

TYPE
ORGANIZATION
TITLE
PUBLISH

DATE
ABSTRACT

KEYWORDS

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Murray, C.N.

assoc

Commission of European Communities, Luxembourg.

HYDRODYNAMIC ASPECTS CONCERNING THE DESIGN OF FREE FALL

PUBLISH
DATE
ABSTRACT

PENETRATORS FOR HIGH LEVEL RADIOACTIVE WASTE DISPOSAL.
Radioactive Waste Management & the Nuclear Fuel Cycle.
March 1985. V. 6(1) p. 37-51.
85/03/00
The feasibility of using deep ocean formations for disposal of high-level radioactive wastes is being considered in the CEC. A free fall penetrator is being devised as an emplacement system. Waste would be contained in drums placed in projectiles. The penetrators would then be launched from ships or platforms and allowed to fall freely through the water column and bury themselves within the sediment column.

KEYWORDS
LOCATION
REFERENCE

MARINE DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE

Bertram, S.G., et al.
govt/acad
OECD Nuclear Energy Agency.
INSTITUTIONAL STATUS FOR THE SUBSEABED DISPOSAL PROJECT, NOVEMBER 1985.
November 1985, 123 p.
85/11/00

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

MARINE DISPOSAL: legislation.

AUTHOR
TYPE
ORGANIZATION
TITLE

Carlin, E.M.; Hinga, K.R.; Knauss, J.A.
govt/acad
OECD Nuclear Energy Agency.
INTERNATIONAL PROGRAM TO STUDY SUBSEABED DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTES.
Pacific Northwestern Lab. 60 p.
84/00/00

PUBLISH
DATE
ABSTRACT

This report provides an overview of the International program to study seabed disposal of nuclear wastes. Its purpose is to inform legislators, other policy makers and the general public as to the history of the program, technological requirements necessary for feasibility assessment, legal questions involved, international coordination of research, national policies, and research and development activities.
MARINE DISPOSAL:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

anon.
Kupferman, S.L. (ed.)
govt
Sandia National Lab. NM (USA).
INTRODUCTION.
P. 1-3. Subseabed Disposal Project Annual Report, fy85 to termination of project: physical oceanography and water column geochemistry studies, oct. 1984 through may 1986. May 1987.
87/05/00

DATE
ABSTRACT

The report of the physical oceanography and water column geochemistry studies group of the subseabed disposal project for fy85 to termination is presented.
MARINE DISPOSAL: chemistry.

KEYWORDS

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Kautsky, H.

PUBLISH
DATE
ABSTRACT

INVESTIGATIONS ON THE DISTRIBUTION OF 137Cs, 134Cs AND 90Sr AND THE WATER MASS TRANSPORT TIMES IN THE NORTHERN NORTH ATLANTIC AND THE NORTH SEA. Dtsch. Hydrogr. Z. 1987. V. 40(2) P. 49-69. 87/00/00

KEYWORDS
LOCATION
REFERENCE

The distribution of the activity concentration values of 137+134Cs in this sea area in the years 1979 and 1982 show the main transport routes very well. MARINE DISPOSAL: radionuclide migration.

AUTHOR
TYPE
ORGANIZATION

Jefferies, N.L.

TITLE

UKAEA Harwell Lab. Chemistry Div.; Department of the Environment, London, (UK). LONG TERM SOLUTE DIFFUSION IN A GRANITE BLOCK IMMERSSED IN SEA WATER.

PUBLISH
DATE
ABSTRACT

July 1987. 14 p. 87/07/00

Solute diffusion profiles for Cl-, Br-, F- and SO4- have been measured in a granite block which was immersed in the sea at Falmouth, Cornwall, for 30 years.

KEYWORDS
LOCATION
REFERENCE

MARINE DISPOSAL: granite.

AUTHOR
TYPE
ORGANIZATION
TITLE

Jefferies, N.L. (UKAEA Harwell Lab. Chemistry Div.) Come, B. (CEC); Chapman, N.A. (BGS).

PUBLISH

Commission of the European Communities, Luxembourg. LONG-TERM SOLUTE DIFFUSION IN A GRANITE BLOCK IMMERSSED IN SEA WATER.

DATE
ABSTRACT

P. 249-260. Natural Analogues in Radioactive Waste Disposal. Proceedings of a Symposium Organized by the CEC and held in Brussels, BE, on 28-30 April 1987. London. Graham and Trotman. 1987. 506 p. Radioactive Waste Management Series. 87/04/00

Solute diffusion profiles for Cl-, Br-, F-, and SO4- have been measured in a granite block which was immersed in the sea at Falmouth, Cornwall, for 30 years.

KEYWORDS
LOCATION
REFERENCE

MARINE DISPOSAL: granite.

AUTHOR

Bettencourt, A.O.; Elias, M.D.T.; Ferrador, G.C.

TYPE	(LNETI, Dep. de Protecçao e Seguranca Radiologica, Sacavem, Portugal)
ORGANIZATION	Associacao Brasileira de Energia Nuclear, Rio de Janeiro (Brazil).
TITLE	MARINE ENVIRONMENTAL MONITORING RELATED TO SEA DISPOSAL OF RADIOACTIVE WASTE IN THE NE ATLANTIC OCEAN. (in Portugese)
PUBLISH	P. 425-436. Proceedings of the 2. General Congress of Nuclear Energy-V.3. 1988. 498 p.
DATE	88/00/00
ABSTRACT	Reference is made to the sea disposal of packaged radioactive waste in the ne Atlantic Ocean and to the role of the OCDE Nuclear Energy Agency since 1967, in the dumping operations.
KEYWORDS	MARINE DISPOSAL: monitoring.
LOCATION	
REFERENCE	
AUTHOR	Burkett, P.J.; Bennerr, R.H.; Li, H.; Nastav, F.L.; Bryant, W.R.; Sheppard, L.E.; Chiou, W.A.
TYPE	acad
ORGANIZATION	Naval Ocean Research and Development Activity. MS (USA).
TITLE	MICROSTRUCTURE OF RED CLAYN FROM THE CENTRAL PACIFIC DEEP-SEA BASIN: SIGNIFICANCE TO SUBSEABED NUCLEAR WASTE DISPOSAL.
PUBLISH	July 1987. 46 p.
DATE	87/07/00
ABSTRACT	The microstructure of deep-sea illitic red clay from the Central Pacific Basin was investigated using transmission and scanning electron microscopy techniques and related to the subseabed disposal of hlw.
KEYWORDS	MARINE DISPOSAL: clay, analytical techniques, geology.
LOCATION	
REFERENCE	
AUTHOR	Delow, C.E.; Mobbs, S.F. (National Radiological Protection Board, Chilton, UK)
TYPE	govt
ORGANIZATION	Department of the Environment. London (UK).
TITLE	MODELLING THE INTERACTIONS BETWEEN RADIONUCLIDES AND PARTICLES IN THE OCEAN FOR ASSESSMENTS OF SEA DISPOSAL OF RADIOACTIVE WASTE.
PUBLISH	January 1988. 80 p.
DATE	88/01/00
ABSTRACT	This report describes work connected with the combined ocean dispersion and sedimenation model developed by MAFF/NRPB.
KEYWORDS	MARINE DISPOSAL: modelling, radionuclide migration.
LOCATION	
REFERENCE	
AUTHOR	Anon.
TYPE	Kupferman, S.L. (ed.) govt

ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	NARES II OCEANOGRAPHIC MISSION (NOVEMBER 9-27, 1985) (NARES ABYSSAL PLAIN: NARES II OCEANOGRAPHIC MISSION)
PUBLISH	P. 12-14. Subseabed Disposal Project Annual Report, fy85 to termination of project: Physical oceanography and water column geochemistry studies, oct.1 1984 through may 1986. May 1987.
DATE	87/05/00
ABSTRACT	The objective of the mission was to obtain information required to complete the data set for a preliminary ecological assessment of the Nares abyssal plain study area.
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Anderson, D.R. (ed.).
TYPE	govt/acad
ORGANIZATION	OECD Nuclear Energy Agency.
TITLE	NINTH INTERNATIONAL NEA/SEABED WORKING GROUP MEETING, BERLIN, FRG.
PUBLISH	March 27 - 29, 1984. 162 p.
DATE	85/00/00
ABSTRACT	This report is an account of work sponsored by the governments of Canada, France, the Federal Republic of Germany, the Netherlands, Japan, Switzerland, the UK and the USA, in the framework of the OECD/NEA coordinated programme on seabed disposal of radioactive waste.
KEYWORDS	MARINE DISPOSAL: international.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv
ORGANIZATION	Ove Arup & Partners. (UK).
TITLE	OCEAN DISPOSAL OF HEAT GENERATING RADIOACTIVE WASTE: A REVIEW OF EMPLACEMENT STUDIES.
PUBLISH	Department of Environment, London, (UK). 52 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	MARINE DISPOSAL: waste handling and emplacement.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	
ORGANIZATION	Department of the Environment, London, UK; Ove Arup and Partners, London, (UK).
TITLE	OCEAN DISPOSAL OF HEAT-GENERATING RADIOACTIVE WASTE. PENETRATOR INSTRUMENTATION STUDY.
PUBLISH	February 1987. 105 p.
DATE	87/02/00
ABSTRACT	This report addresses the instrumentation of trial penetrators free-falling 6km to embed in ocean floor sediment. The subjects of interest are descent stage behavior, entry hole location, embedment behavior and hole closure.
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	acad
TYPE	
ORGANIZATION	
TITLE	OCEAN FLOOR SEDIMENT AS A REPOSITORY BARRIER: COMPARATIVE DIFFUSION DATA FOR SELECTED RADIONUCLIDES IN SEDIMENTS FROM THE ATLANTIC AND PACIFIC OCEANS.
PUBLISH	Nuclear Waste Management Symposium. Stockholm (Sweden). Sept. 9-11, 1985. p. 771.
DATE	85/09/00
ABSTRACT	
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	Anon.
TYPE	Kupferman, S.L.(ed.)
ORGANIZATION	govt
TITLE	Sandia National Lab. NM (USA). PLANNING MEETING FOR THE ABYSSAL PLAIN LONG-TERM RESEARCH PLAN. (NARES ABYSSAL PLAIN)
PUBLISH	P. 4. Subseabed Disposal Project Annual Report, fy85 to termination of project: Physical oceanography and water column geochemistry studies, oct. 1984 through may 1986. May 1987.
DATE	87/05/00
ABSTRACT	The Nares has been selected as the site at which the SDP will validate environmental models and perform a site characterization for the 12990 status document. In addition, the Nares work will be structured so that it can be used to develop techniques and tools to efficiently and cost-effectively produce a reliable risk assessment and site characterization for any location likely to be selected as a potential repository site.
KEYWORDS	MARINE DISPOSAL: siting, risk analysis.
LOCATION	
REFERENCE	

AUTHOR	Bennett, R.H.; Burns, J.T.; Li, H.; Percival, C.M.; Lipkin, J.
TYPE	govt
ORGANIZATION	Naval Ocean Research and Development Activity, NSTL, MS (USA); Sandia National Labs., Albuquerque, NM (USA).
TITLE	PORE-WATER PRESSURE EVENTS DURING THE IN SITU HEAT TRANSFER EXPERIMENT SIMULATION: PIEZOMETER PROBE TECHNOLOGY.
PUBLISH	Jan 1987. 8 p.
DATE	87/01/00
ABSTRACT	Single sensor piezometer probes, 8 mm in diameter were developed and tested for deep-ocean geotechnical investigations in support of the subseabed disposal program.
KEYWORDS	MARINE DISPOSAL: thermodynamics.
LOCATION	
REFERENCE	

AUTHOR	Ensminger, D.A.; Koplik, C.M.; Klett, R.D.
TYPE	priv
ORGANIZATION	Analytic Sciences Corp. MA (USA).
TITLE	PRELIMINARY PRE-EMPLACEMENT SAFETY ANALYSIS OF THE

PUBLISH DATE ABSTRACT	SUBSEABED DISPOSAL OF HIGH-LEVEL NUCLEAR WASTE. 1985. 57 p. 85/00/00 The technical and environmental feasibility of the disposal of high-level wastes within ocean sediments is being investigated at US Sandia National Labs. Pre-emplacement activities address handling, interim storage, ocean transportation, and emplacement operations.
KEYWORDS LOCATION REFERENCE	MARINE DISPOSAL: safety analysis.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH	Kindt, J.W. acad University of Illinois. IL (USA). RADIOACTIVE WASTES. Natural Resources Journal. October 1984. V. 24(4). p. 967-1015.
DATE ABSTRACT	84/10/00 The proper disposal of radioactive wastes in oceans is an important marine pollution issue. U.S. and international regulatory authorities dealing with ocean disposal of both low and high-level wastes are surveyed.
KEYWORDS LOCATION REFERENCE	MARINE DISPOSAL: international, regulations.
AUTHOR TYPE ORGANIZATION	De Marsily, G.; Behrendt, V.; Ensminger, D.A. (and others) acad/govt/priv Ecole Nationale Supérieure des Mines, Paris, France; Dornier-System G.M.B.H., Friedrichshafen, Germany, F.R.; Analytical Sciences, Inc., Research Triangle Park, NC, USA; Commission of the European Communities, Ispra, Italy; Glosten Assoc., Inc., Seattle, WA, USA; Sandia National Labs., Livermore, CA, USA.
TITLE	RADIOLOGICAL ASSESSMENT OF THE CONSEQUENCES OF THE DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE IN SUB-SEABED SEDIMENTS.
PUBLISH DATE ABSTRACT	1987. 2 p. 87/00/00 The radiological assessment of the seabed option consists of estimating the detriment to man and to the environment that could result from the disposal of high-level nuclear waste within the seabed sediments in the deep oceans.
KEYWORDS LOCATION REFERENCE	MARINE DISPOSAL: risk analysis.
AUTHOR TYPE ORGANIZATION	Kane, P. (Elecrowatt Engineering Services Ltd., Horsham, UK) priv Department of the Environment. London (UK). Radioactive Waste (professional) Div.
TITLE	RADIOLOGICAL ASSESSMENT OF THE DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE ON OR WITHIN THE SEDIMENTS OF THE DEEP OCEAN BED: V.2 RESULTS: PENETRATOR OPTION.
PUBLISH	November 1987. 305 p.

DATE	87/11/00
ABSTRACT	This report contains the results of the post emplacement probabilistic risk assessment case studies carried out for the penetrator option.
KEYWORDS	MARINE DISPOSAL: risk analysis, safety analysis.
LOCATION	
REFERENCE	
AUTHOR	Kane, P. (Electrowatt Engineering Services Ltd., Horsham, Uk)
TYPE	priv
ORGANIZATION	Department of the Environment. London (UK). Radioactive Waste (professional) Div.
TITLE	RADIOLOGICAL ASSESSMENT OF THE DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE ON OR WITHIN THE SEDIMENTS OF THE DEEP OCEAN BED: V.4 RESULTS: SEABED OPTION.
PUBLISH	November 1987. 290 p.
DATE	87/11/00
ABSTRACT	This report contains the results of the post emplacement probabalistic risk assessment case studies
KEYWORDS	carried out for the seabed repository mode of HLW disposal.
LOCATION	MARINE DISPOSAL: risk analysis, safety analysis.
REFERENCE	
AUTHOR	Kane, P. (Electrowatt Engineering Services Ltd., Horsham, UK)
TYPE	priv
ORGANIZATION	Department of the Environment. London (UK). Radioactive Waste (professional) Div.
TITLE	RADIOLOGICAL ASSESSMENT OF THE DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE ON OR WITHIN THE SEDIMENTS OF THE DEEP OCEAN BED: V.3 RESULTS: DRILL OPTION.
PUBLISH	November 1987. 362 p.
DATE	87/11/00
ABSTRACT	This report contains the results of the post emplacement probabilistic risk assessment case studies carried out for the drill option.
KEYWORDS	MARINE DISPOSAL: risk analysis, safety analysis.
LOCATION	
REFERENCE	
AUTHOR	Kane, P. (Electrowatt Engineering Services Ltd., Horsham, UK)
TYPE	priv
ORGANIZATION	Department of the Environment. London (UK).
TITLE	RADIOLOGICAL ASSESSMENT OF THE DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE ON OR WITHIN THE SEDIMENTS OF THE DEEP OCEAN BED: V.1 RESULTS: MAIN REPORT.
PUBLISH	November 1987. 305 p.
DATE	87/11/00
ABSTRACT	The contract report comprises a main report accompanied by three volumes detailing the probabilistic risk assessments carried out for each proposed mode of HLW emplacement. Following a section describing the methodology employed, the models developed for and used in the assessment are described.
KEYWORDS	MARINE DISPOSAL: risk analysis, safety analysis, waste handling and emplacement.
LOCATION	

REFERENCE

AUTHOR	Sarshar, M.M.
TYPE	govt/assoc
ORGANIZATION	European Energy Communities.
TITLE	RELIABILITY OF SUB-SEABED DISPOSAL OPERATIONS FOR HIGH-LEVEL WASTE.
PUBLISH	Kluwer Academic Publishers. 1987. 176 p. (US).
DATE	87/00/00
ABSTRACT	This report was produced within the framework of the European Energy Communities' cost-sharing research

program on radioactive waste management and disposal. It gives a summary of the reliability study related to the disposal of high-level waste in deep ocean sediments.

KEYWORDS LOCATION REFERENCE

MARINE DISPOSAL:

AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE

assoc
International Atomic Energy Agency. Vienna (Austria).
REPORT FROM MONACO: WASTE MANAGEMENT AND THE SEA.
April 1986. V. 28(1) p. 33.
86/04/00

MARINE DISPOSAL:

AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT

Klett, R.D.
govt
Sandia National Lab. NM (USA).
RISK ASSESSMENT FOR SUBSEABED DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE.
1987. 15 p.
87/00/00

Feasability studies for subseabed high-level waste disposal required development of new evaluation standards, performance assessment procedures, and models.

KEYWORDS LOCATION REFERENCE

MARINE DISPOSAL: risk analysis, modelling.

AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE

media
SEA DUMPING BAN RENEWAL (FOR RADIOACTIVE WASTE) OPPOSED.
Winnipeg Free Press, Sept, 19, 1985. p. 26.
85/09/19

MARINE DISPOSAL:

AUTHOR TYPE ORGANIZATION TITLE

acad
SEA DUMPING OF SOLID RADIOACTIVE WASTE: A NEW

PUBLISH

ASSESSMENT.

Radioactive Waste Management & the Nuclear Fuel Cycle,

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

August 1986. V. 7(3). p. 233-252.
86/08/00

MARINE DISPOSAL:

AUTHOR

Hund, G.E. (US Congress, Office of Technology
Assessment, Washington, DC)
Post, R.G. (ed.)
govt

TYPE
ORGANIZATION
TITLE
PUBLISH

SUBSEABED DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE.
P. 457-462. Waste Management '87: Waste Isolation in
the US, Technical Programs, and Public Education.
Tucson, AZ. University of Arizona Nuclear Engineering
Dept. 1987.

DATE
ABSTRACT

87/00/00
Subseabed disposal of high-level radioactive waste is
the only technical alternative or supplement to
land-based geologic repositories that has been given
serious attention by the US or by any other nation.
The goal of research on the subseabed disposal option
has been to determine whether the concept is
scientifically and environmentally feasible.

KEYWORDS
LOCATION
REFERENCE

MARINE DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE

Kupferman, S.L. (ed.)
govt
Sandia National Lab. NM (USA).
SUBSEABED DISPOSAL PROJECT ANNUAL REPORT, FY85 TO
TERMINATION OF PROJECT: PHYSICAL OCEANOGRAPHY AND
WATER COLUMN GEOCHEMISTRY STUDIES, OCT. 1984 THROUGH
MAY 1986.

PUBLISH
DATE
ABSTRACT

May 1987. 329 p.
87/05/00
This report covers the work of the physical
oceanography and water column geochemistry studies
group of the subseabed disposal project. The overview
of the work includes an introduction, general
descriptions of the activities, and a summary.

KEYWORDS
LOCATION
REFERENCE

MARINE DISPOSAL:

AUTHOR
TYPE
ORGANIZATION
TITLE

Percival, C.M.
govt
Sandia National Lab. NM (USA).
SUBSEABED DISPOSAL PROJECT THERMAL RESPONSE STUDIES:
1985 AND 1986 ANNUAL REPORT, OCTOBER 1984 THROUGH

PUBLISH	SEPTEMBER 1986.
DATE	Feb 1987. 385 p.
ABSTRACT	87/02/00 This report documents the thermal response studies conducted by members of the subseabed disposal project during FY85 and FY86. Most of the thermal response studies effort involved the development and testing of the in situ heat transfer experiment, ISHTE.
KEYWORDS	MARINE DISPOSAL: thermodynamics.
LOCATION	
REFERENCE	
AUTHOR	Parker, F.L.; Kaspersen, R.E.; Andersson, T.L.; Parker, S.A. (Beiier Inst., Stockholm, Sweden)
TYPE	acad
ORGANIZATION	National Board for Spent Nuclear Fuel, Stockholm, (Sweden)
TITLE	TECHNICAL AND SOCIO-POLITICAL ISSUES IN RADIOACTIVE WASTE DISPOSAL 1986. VOL. 2. SUBSEABED DISPOSAL.
PUBLISH	November 1987. 91 p.
DATE	87/11/00
ABSTRACT	Subseabed disposal of high-level radioactive waste and spent fuel, in contrast to land based mined geologic repositories, has not yet been judged by any nation or international bodies to be technologically acceptable, but it is presently considered to be the only available alternative to land based geologic disposal.
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	Anderson, D.R. (ed.).
TYPE	govt/acad
ORGANIZATION	OECD Nuclear Energy Agency.
TITLE	TENTH ANNUAL MEETING OF THE NEA COORDINATED PROGRAM ON THE ASSESSMENT OF THE SUBSEABED DISPOSAL OF RADIOACTIVE WASTE. VOLUME 2: EXECUTIVE COMMITTEE REPORT.
PUBLISH	April 30 - May 3, 1985, Halifax, NS. 55 p.
DATE	86/00/00
ABSTRACT	
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	acad
ORGANIZATION	
TITLE	THE ASSESSMENT OF THE RADIOLOGICAL SIGNIFICANCE OF ACCIDENTAL RELEASES OF RADIONUCLIDES TO COASTAL WATERS.
PUBLISH	Radiation Protection Dosimetry, 1986. V. 14(3). p.
DATE	207-219.
ABSTRACT	86/00/00
KEYWORDS	MARINE DISPOSAL: radionuclide migration, safety analysis.
LOCATION	

REFERENCE

AUTHOR Percival, C.M.; Olson, L.O.; Bennett, R.H.; Sayles, F.L.; Silva, A.J.
TYPE govt
ORGANIZATION Sandia National Lab. NM (USA); Washington Univ., Seattle (USA); Naval Ocean Research and Development Activity. Bay Saint Louis, MS (USA); Woods Hole Oceanographic Institution. MA (USA); Rhode Island Univ. Kingston (USA).
TITLE THE SUBSEABED DISPOSAL PROGRAM IN SITU HEAT TRANSFER EXPERIMENT (ISHTe): FINAL DESIGN REPORT.
PUBLISH Apr 1987. 94 p.
DATE 87/04/00
ABSTRACT An in situ heat transfer experiment has been developed in support of the subseabed disposal program. The primary objectives of this experiment are: to provide information on the in situ response of seabed sediment to localized heating; to obtain data on in situ ion migration processes; to provide an opportunity for evaluating theoretical models of the response and to observe any unanticipated phenomena which may occur; to develop and demonstrate the technology necessary for performing waste-isolation-oriented experiments on the sea floor at depths up to 6000 m.
KEYWORDS MARINE DISPOSAL: thermodynamics.
LOCATION
REFERENCE

AUTHOR Bertram, S.G.
TYPE govt
ORGANIZATION Sandia National Lab. NM (USA).
TITLE THE SUBSEABED DISPOSAL PROJECT INSTITUTIONAL PROGRAM ACTIVITIES, OCT. 1982- SEPT. 1984.
PUBLISH March 1987. 280 p.
DATE 87/03/00
ABSTRACT This report covers the fy82 to fy84 institutional activities of the subseabed disposal project. An introduction and a general description of each activity is included.
KEYWORDS MARINE DISPOSAL:
LOCATION
REFERENCE

AUTHOR Bertram, S.G.
TYPE govt

ORGANIZATION Sandia National Lab. NM (USA).
TITLE THE SUBSEABED DISPOSAL PROJECT INSTITUTIONAL PROGRAM ACTIVITIES: OCT. 1984 THROUGH SEPT. 1985.
PUBLISH March 1987. 148 p.
DATE 87/03/00
ABSTRACT This report covers the Fy85 institutional activities of the subseabed disposal project. An introduction and a general description of each activity is included.
KEYWORDS MARINE DISPOSAL:
LOCATION
REFERENCE

AUTHOR Maynard, M.J.; Butler, T.P.; Firmin, G.H. (Associated
TYPE Nuclear Services, Epsom, UK)
priv

ORGANIZATION	Department of the Environment. London UK; Associated
TITLE	Nuclear Services, Epsom, (UK). THERMAL ANALYSIS OF A HEAT GENERATING WASTE REPOSITORY ON THE SEABED.
PUBLISH	February 1987. 49 p.
DATE	87/02/00
ABSTRACT	The time dependent thermal behavior of a repository containing heat generating waste has been investigated during loading, transport, and subsequent emplacement on the seabed.
KEYWORDS	MARINE DISPOSAL: thermodynamics.
LOCATION	
REFERENCE	

AUTHOR	Santschi, P.H.; Bajo, C.; Mantovani, M.; Orciuolo, D.; Cranston, R.E.; Bruno, J.
--------	---

TYPE	
ORGANIZATION	
TITLE	URANIUM IN PORE WATERS FROM NORTH ATLANTIC (GME AND SOUTHERN NARES ABYSSAL PLAIN) SEDIMENTS.
PUBLISH	Nature, London. 14 January 1988. V. 331(6152) P. 155-157.
DATE	88/01/14
ABSTRACT	Here we report the measurement of low uranium concentrations in composite pore-water samples from the uppermost 20-30 m of deep sea Abyssal Plain sediments from the great meteor east and southern nares Abyssal Plains area.
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	US WILL OPPOSE A RENEWED BAN ON DUMPING NUCLEAR WASTE AT SEA.

PUBLISH	Globe & Mail, Sept. 19, 1985. p. 10.
DATE	85/09/19
ABSTRACT	
KEYWORDS	MARINE DISPOSAL:
LOCATION	
REFERENCE	

AUTHOR TYPE ORGANIZATION TITLE	govt Bechtel National Lab. CA (USA). AN ENGINEERING STUDY OF THE IMPACT ON COSTS AND SCHEDULES OF USING A MONITORED RETRIEVABLE STORAGE FACILITY IN CONJUNCTION WITH A REPOSITORY IN TUFF AT YUCCA MOUNTAIN.
PUBLISH DATE ABSTRACT	July 1987. 519 p. 87/07/00 This report documents the results of an engineering study of alternative design concepts for an integrated waste management system involving a repository in tuff at Yucca Mountain. Six alternative engineering case studies were developed as a means of comparing various scenarios.
KEYWORDS LOCATION REFERENCE	OTHER ALTERNATIVES: geologic disposal, retrieval.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Department of the Environment. London, UK; MRM Partnership, Bristol, (UK). BITUMINOUS AND ASPHALTIC MEMBRANES FOR RADIOACTIVE WASTE REPOSITORIES ON LAND. FINAL REPORT. March 1988. 235 p. 88/03/00 The aim of the study has been to identify, within generic designs for waste facilities, areas where bituminous materials might be incorporated as a barrier.
KEYWORDS LOCATION REFERENCE	OTHER ALTERNATIVES:
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Ford, L.H.; Jenkins, M.J. govt UK Atomic Authority Group. (UK). INCINERATION OF SIMULATED PLUTONIUM-CONTAMINATED WASTE. CEC Report EUR 9219 EN. 1984. 58 p. 84/00/00 Research was directed towards development of a plutonium containing material incineration plant with separate pyrolysis, char-oxidation, and gas after-burner units.
KEYWORDS LOCATION REFERENCE	OTHER ALTERNATIVES: volume reduction.
AUTHOR	Semprich, S.; Speidel, S.R.; Schneider, H.J. (Bilfinger and Berger Bauaktiengesellschaft, Mannheim, Bundesrepublik Deutschland)
TYPE ORGANIZATION TITLE PUBLISH	LINED ROCK CAVERNS FOR THE STORAGE OF HAZARDOUS WASTE. P. 253-256. Proceedings of the 6th International

as a means of fusing.
OTHER ALTERNATIVES: thermodynamics.

Forsberg, C.W.
govt
Oak Ridge National Lab. TN (USA).
USE OF A UNITED STATES MID-PACIFIC ISLAND TERRITORY FOR
A PACIFIC ISLAND REPOSITORY SYSTEM (PIRS): EXTENDED
SUMMARY.

August 1987, 16 p.
87/08/00
The concept of using a mid-ocean island for a geologic high-level waste repository was investigated. The technical advantages include geographical isolation and near-infinite ocean dilution as a backup to repository geological waste isolation.
OTHER ALTERNATIVES:

OTHER ALTERNATIVES:

```

                *****  

                Digital Equipment Corporation - VAX/VMS  

                *****

```

PPPP	III	L	OOO	N	N		
P	P	L	O	O	N	N	
P	P	I	L	O	O	NN	N
PPPP	I	L	O	O	N	N	N
P	I	L	O	O	N	NN	N
P	I	L	O	O	N	N	N
P	III	LLLLL	OOO	N	N		

PPPP	III	L	OOO	N	N	L	PPPP	CCCC	FFFFF	SSSS
P	I	L	O	O	N	N	P	C	F	S
P	I	L	O	O	NN	N	P	C	F	S
PPPP	I	L	O	O	N	N	PPPP	C	FFFF	SSS
P	I	L	O	O	N	NN	P	C	F	S
P	I	L	O	O	N	N	P	C	F	S

AUTHOR	assoc
TYPE	Canadian Nuclear Society.(Canada).
ORGANIZATION	2nd INTERNATIONAL CONFERENCE ON RADIOACTIVE WASTE
TITLE	MANAGEMENT: CONFERENCE PROCEEDINGS AND CONFERENCE SUMMARIES.
PUBLISH	September 7-11, 1986.
DATE	86/09/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT: policy and administration, international.
LOCATION	
REFERENCE	NFW 2.2-20-7
AUTHOR	Lowry, David
TYPE	acad
ORGANIZATION	Friends of the Earth, U.K.
TITLE	A PROOF OF EVIDENCE TO THE HINKLEY POINT INQUIRY ON BEHALF OF FRIENDS OF THE EARTH.
PUBLISH	London, March, 1989, 40pp.
DATE	89/03/07
ABSTRACT	Examines the radioactive waste situation in U.K. from historical, economic, risk, and political perspectives. The new nuclear reactors at Hinckley Point should not be built as they will only contribute to the present waste problems. The most popular management solution for high-level waste is dry storage at reactor sites.
KEYWORDS	WASTE MANAGEMENT: economics, risk analysis.
LOCATION	FOE, 26-28 Underwood St. London, N1 7JQ, U.K.
REFERENCE	anne
AUTHOR	Oritz, N.R.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	A REVIEW AND EVALUATION OF THE DRAFT EPA STANDARD (4 CFR 191) (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).
PUBLISH	Waste Management Conference 1984. Tucson, AZ (USA). March 11-15, 1984. V. 1, p. 401-411.
DATE	84/03/00
ABSTRACT	EPA's proposed rule for the management and disposal of high-level radioactive waste is analyzed using a risk assessment methodology developed at US Sandia labs. The approach was exercised on hypothetical reprocessor systems in basalt, bedded salt, and tuff.
KEYWORDS	WASTE MANAGEMENT: risk analysis.
LOCATION	
REFERENCE	
AUTHOR	Tomonto, J.R.
TYPE	govt
ORGANIZATION	Florida Power & Light Co. FL (USA).
TITLE	A STRATEGY FOR FULFILLING A UTILITY'S RESPONSIBILITY FOR STORING SPENT FUEL (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).

PUBLISH
DATE
ABSTRACT

Waste Management Conference 1984. Tucson, AZ (US
March 11-15, 1984. V. 1, p. 179-185.
84/03/00

The Nuclear Waste Policy Act of 1982 assigned ow
and generators of spent fuel the responsibility o
storing the waste until accepted by the federal
government for disposal. Elements of a process t
develop a strategy to meet this responsibility a
outlined.

WASTE MANAGEMENT: regulations.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION

Nus Corp., Gaithersberg, MD; Battelle Memorial I
Columbus, OH. Office of Nuclear Waste Isolation.

TITLE

ALTERNATIVE METHODS TO MANAGE WASTE SALT FROM
REPOSITORY EXCAVATION IN THE DEAF SMITH COUNTY A
SWISHER COUNTY LOCATIONS, TEXAS: A SCOPING STUDY
TECHNICAL REPORT (SALT AND SALT-LADEN MATERIAL).
January 1987. 63 p.

PUBLISH
DATE
ABSTRACT

87/01/00

This report describes and qualitatively evaluate
options for managing the large volumes of salt-l
rock that would result from the excavation of a
high-level radioactive waste repository.

WASTE MANAGEMENT: salt.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Meinhardt, C.C.; Flyckt, D.L.; Wirsing, R.M.;
Winterhalder, J.A.

priv

Rockwell International Corp. WA (USA).

ALTERNATIVES TO DISPOSAL OF HANFORD SITE LIQUID
EFFLUENTS TO THE SOIL COLUMN.

PUBLISH
DATE
ABSTRACT

April 1987. 20 p.

87/04/00

Alternative systems were selected for 28 effluen
streams, based on the use of available technolog
ability to eliminate the contaminated effluent o
reduce contaminant levels to meet specified effl
disposal criteria and standards derived from DOE
orders and environmental statutes.

WASTE MANAGEMENT:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Cote, P.L.; Constable, T.W.; Moreira, A.
govt

Environment Canada. (Canada).

AN EVALUATION OF CEMENT-BASED WASTE FORMS USING
RESULTS OF APPROXIMATELY TWO YEARS OF DYNAMIC
LEACHING.

PUBLISH

Nucl. Chem. Waste Management. (1987). V. 7(2) p.
129-140.

DATE

87/00/00

ABSTRACT

The leachability of cement-based waste forms was
assessed using a dynamic leaching test, in which
solidified waste cubes are immersed in distilled

KEYWORDS	water, and the water renewed at variable time intervals which were calculated assuming bulk diffusion controlled leaching. The results are described in this paper.
LOCATION	WASTE MANAGEMENT: cement, containment.
REFERENCE	
AUTHOR	Zegel, W.C.
TYPE	govt
ORGANIZATION	
TITLE	AN OVERVIEW OF HAZARDOUS WASTE ISSUES.
PUBLISH	APCA Journal. January 1985. V. 35(1). p. 50-54.
DATE	85/01/00
ABSTRACT	Diverse issues associated with hazardous waste are presented. Topics discussed include currently generated waste, existing disposal sites, transportation, siting, and industrial waste streams
KEYWORDS	WASTE MANAGEMENT: transport, siting, disposal and storage alternatives.
LOCATION	
REFERENCE	
AUTHOR	Mogg, C.S.
TYPE	
ORGANIZATION	
TITLE	AN OVERVIEW OF RADIOACTIVE WASTE MANAGEMENT AT SELLAFIELD.
PUBLISH	Proceedings of the Symposium on Waste Management. Tucson, Arizona. Feb 3-March 28, 1988. V. II - High-level Waste and General Interest. p. 281-287.
DATE	88/03/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	USDOE Office of Civilian Radioactive Waste Managemen
TITLE	Washington, DC (USA). ANSWERS TO YOUR QUESTIONS ON HIGH-LEVEL NUCLEAR WAST (CONTAINS GLOSSARY)
PUBLISH	November 1987. 61 p.
DATE	87/11/00
ABSTRACT	This booklet contains answers to frequently asked questions about high-level nuclear wastes. Written f the layperson, this document contains basic information on the hazards of radiation, risk assessment, etc....
KEYWORDS	WASTE MANAGEMENT: socio-economic and ecological impacts, risk analysis.
LOCATION	
REFERENCE	
AUTHOR	Baudro, T.O.; Leonard, J.S.
TYPE	priv
ORGANIZATION	US Commissioner of Patents, Washington, DC (USA).
TITLE	APPARATUS AND METHOD FOR CONSOLIDATING SPENT FUEL RO
PUBLISH	28 July 1987. VP.
DATE	87/07/28

ABSTRACT

An apparatus is described for consolidating spent fuel rods from spent fuel assemblies, comprising a container having a front wall, a back wall, side walls connected between the front and back walls, a bottom and stationary flutes along the front wall.
WASTE MANAGEMENT: reprocessing.

KEYWORDS
LOCATION
REFERENCE

AUTHOR

Bunting, J.O.; Wade, P.D. (US Nuclear Regulatory Commission, Washington, DC)
govt

TYPE
ORGANIZATION
TITLE

APPLICATION OF SYSTEMS ENGINEERING TO NRC'S HIGH-LEVEL WASTE REGULATORY PROGRAM.

PUBLISH

P.19-22. Waste Management '87: Waste Isolation in the US, Technical Programs, and Public Education. Tucson, AZ. University of Arizona Nuclear Engineering Dept. 1987

DATE
ABSTRACT

87/00/00

This paper presents a discussion of why a systems engineering approach is needed for the NRC Regulatory Program and describes the systems engineering approaches being initiated within NRC's division of waste management.

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT: regulations, engineering.

AUTHOR

Hofer, R.W. (Effective Solutions Inc.)

TYPE
ORGANIZATION
TITLE

Post, R.G. (ed.)
priv

PUBLISH

APPLICATION OF SYSTEMS ENGINEERING METHODS TO THE DEVELOPMENT OF INFORMATION RESOURCE MANAGEMENT PROGRAMS.

DATE
ABSTRACT

P.15-18. Waste Management '87: Waste Isolation in the US, Technical Programs, and Public Education. Tucson, AZ. University of Arizona Nuclear Engineering Dept. 1987

87/00/00

This paper describes the overall information requirements governing the data and documents associated with the site characterization phase of the geologic repository program.

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT: siting.

AUTHOR
TYPE
ORGANIZATION
TITLE

Beaven, G.; Potts, B.J.
govt

Department of the Environment. London (UK). ASSESSMENTS OF FUTURE ARISING OF CONDITIONED RADIOACTIVE WASTES FOR WASTE MANAGEMENT SYSTEM STUDIES.

PUBLISH
DATE
ABSTRACT

October 1987. 159 p.
87/10/00

The report describes two assessments of conditioned radioactive waste arisings. One is based on existing and committed nuclear installations and the other on an assumed nuclear power generation scenario

KEYWORDS
LOCATION
REFERENCE

representing a moderate growth in nuclear generation
WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Banks, J.; Robinson, R.V.; Sperinck, W.
priv
B and R Taylor, NY (USA).
AUTOMATIC SAMPLING OF RADIOACTIVE LIQUORS.
Waste Management '87: Waste Isolation in the US,
Technical Programs and Public Education. Tucson, AZ,
(USA). University of Arizona Nuclear Engineering Dep
1987. p. 691-698.

DATE
ABSTRACT

87/00/00
This paper describes the latest techniques in sampli
radioactive liquors in an irradiated fuel reprocessi
plant. The latest design consists of a sample bottle
despatch facility autosampler units, pneumatic
transfer system and receipt facility which reduces
considerably operator involvement, provides a safe
rapid transport system and minimizes any possibility

KEYWORDS
LOCATION
REFERENCE

of radioactive contamination.
WASTE MANAGEMENT: waste characterization, waste
handling and emplacement.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Bloser, M.H.
assoc
International Atomic Energy Agency. Vienna (Austria)
BACK END OF THE FUEL CYCLE IN THE FEDERAL REPUBLIC O
GERMANY.
Proceedings of an International Symposium on the Bac
End of the Nuclear Fuel Cycle: Strategies and Option
Jointly organized by the International Atomic Energy
Agency and the Nuclear Energy Agency of the OECD and
held in Vienna, 11-15 May 1987.

DATE
ABSTRACT

87/00/00
The basic principle of reliable waste management as
laid down in German acts and ordinances are reviewed
WASTE MANAGEMENT: regulations.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Lenail, B.
assoc
International Atomic Energy Agency. Vienna (Austria)
BACK END OF THE FUEL CYCLE: VARIOUS TECHNIQUES
DEVELOPED IN FRANCE.
Proceedings of an International Symposium on the Bac
End of the Nuclear Fuel Cycle: Strategies and Option
Jointly organized by the International Atomic Energy
Agency and the Nuclear Energy Agency of the OECD and
held in Vienna, 11-15 May 1987. P. 237-246.

DATE
ABSTRACT

87/05/00
On the basis of processes developed by the Commissar
a L'energie atomique (CEA) and its industrial
partners, France has been developing a steady and
consistent programme for the back end of the nuclear
fuel cycle for about 30 years. A description is give
of: dry and underwater interim storage; optimum use

KEYWORDS

LOCATION
REFERENCE

AUTHOR
TYPE

storage capacities by compact storage or by consolidation of the fuel; plant design to ensure enhanced performance through an optimized process and improved maintenance techniques; and the radwaste conditioning techniques.
WASTE MANAGEMENT: disposal and storage alternatives design.

assoc

ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS

International Atomic Energy Agency. Vienna (Austria).
BACK END OF THE NUCLEAR FUEL CYCLE: STRATEGIES AND
OPTIONS. PROCEEDINGS OF AN INTERNATIONAL SYMPOSIUM
HELD IN VIENNA.

Proceedings of an International Symposium on the Back
End of the Nuclear Fuel Cycle: Strategies and Options.
Jointly organized by the International Atomic Energy
Agency and the Nuclear Energy Agency of the OECD and
held in Vienna, 11-15 May 1987.

87/05/00

The international symposium on the back end of the
nuclear fuel cycle was attended by more than 200
specialists from 29 countries and 5 international
organizations and included 80 scientific presentations,
of which 29 were posters.

WASTE MANAGEMENT: international.

Saltzman, J.; Kale, S.H.
assoc

International Atomic Energy Agency. Vienna (Austria).
BACK END OF THE NUCLEAR FUEL CYCLE. NATIONAL PROGRAM
OF THE UNITED STATES OF AMERICA.

Proceedings of an International Symposium on the Back
End of the Nuclear Fuel Cycle: Strategies and Options.
Jointly organized by the International Atomic Energy
Agency and the Nuclear Energy Agency of the OECD and
held in Vienna, p. 49-58, 11-15 May 1987.

87/00/00

The Nuclear Waste Policy Act (1982) and the Office of
Civilian Radioactive Waste Management established to
carry out the mandates of the act are examined.

WASTE MANAGEMENT: policy and administration.

govt

BIBLIOGRAPHY OF THE PUBLISHED REPORTS, PAPERS, AND
ARTICLES ON THE NEVADA NUCLEAR WASTE STORAGE
INVESTIGATIONS.

DOE Report NVO-196-24. January 1985. 111 p.
85/01/00

A bibliography of the published reports, papers, and
articles on the Nevada Nuclear Waste Storage
Investigations is presented.

WASTE MANAGEMENT: geologic disposal.

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Benear, A.K.; Murray, S.J.; Lahoda, E.J.; Leslie, J.
priv
Westinghouse Materials Co. OH (USA).
BIODENITRIFICATION DEMONSTRATION TEST REPORT.
Aug. 1987. 90 p.
87/08/00

A two-column biodentrification facility was construc
at the feed materials production center in 1985 and
1986 to test the feasibility of biological treatment
for industrial nitrate-bearing waste water generated
at FMPC. A demonstration test was conducted over a
four month period in 1987.

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT: volume reduction, biotechnology.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

media
Calgary Herald. (Canada).
BORDERS CROSSED OVER WASTE SITES.
Calgary Herald, April 6, 1986. p. B6.
86/04/06

WASTE MANAGEMENT: international.

AUTHOR
TYPE
ORGANIZATION
TITLE

Matsumoto, T. (Hokkaido Univ., Sapporo, Japan. Dept.
Nuclear Engineering)
acad

PUBLISH

CALCULATIONS OF GAMMA RAY INCINERATION OF 90SR AND
137CS.

DATE

Nucl. Instrum. Methods Phys. Res., Sect. A. 10 May
1988. V. 268(1) P.234-243.

ABSTRACT

88/05/10

The feasibility of the gamma ray incineration method
using the reaction, was given for the long-lived
radioactive waste 90sr and 137cs.

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION

media
CANADA A "COWARD" OVER STORING NUCLEAR WASTE.
Financial Post, V. 78(7) Feb 18, 1984. p. 6
84/02/18

WASTE MANAGEMENT:

REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	CANADA CONCERNED BY US NUCLEAR WASTE SITE.
PUBLISH	Halifax Chronicle Herald, Feb. 18, 1986. p. 5.
DATE	86/02/18
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT: safety analysis.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	CANADA WILL JOIN US IN RESEARCH ON A-WASTE.
PUBLISH	Montreal Gazette, March 24, 1986. p. A5.
DATE	86/03/24
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	CARNEY: US PROMISES NO NUKE DUMPS ON BORDER.
PUBLISH	Montreal Gazette, Sept. 14, 1985. p. A8.
DATE	85/09/14
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Orlowski, S. (Commission of the European Communities Brussels, Belgium. Directorate General for Research, Science and Development); Girardi, F. (Commission of the European Communities, Ispra, Italy. Joint Research Centre).
TYPE	
ORGANIZATION	
TITLE	CEC'S R AND D PROGRAM ON RADWASTE MANAGEMENT.
PUBLISH	Nucl. Eur. March 1987. V. 7(3-4) P. 22-23.
DATE	87/03/00
ABSTRACT	The European Community's radioactive waste management and D program is a comprehensive coordinated activity involving the CEC's own research centre, together with more than 50 national laboratories, industries and universities.
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Aurela, J.; Haerkoenen, H.; Ipatti, A. (Imatran Viom Oy, Helsinki, Finland).
TYPE	

ORGANIZATION	CEMENT SOLIDIFICATION OF SPENT ION EXCHANGE RESINS I
TITLE	HALF-SCALE. (in Finnish)
PUBLISH	Ats Ydintek, 1987. V. 16(4) P. 24-26.
DATE	87/00/00
ABSTRACT	IVO has built a facility for solidification of spent
KEYWORDS	ion exchange resins for experimental purposes.
LOCATION	WASTE MANAGEMENT: leaching.
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Oak Ridge National Lab. TN (USA).
TITLE	CHEMISTRY DIVISION ANNUAL PROGRESS REPORT FOR PERIOD
PUBLISH	ENDING JANUARY 31, 1985.
DATE	1985. 208 P.
ABSTRACT	85/00/00
KEYWORDS	
LOCATION	WASTE MANAGEMENT:
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	
TITLE	CIVILIAN RADIOACTIVE WASTE MANAGEMENT (SECRETARY OF
PUBLISH	ENERGY ANNUAL REPORT TO CONGRESS).
DATE	DOE Annual Report S-0010(84). Sept. 1984. p. 71-78.
ABSTRACT	84/09/00
KEYWORDS	In accordance with the Nuclear Waste Policy Act of
LOCATION	1982, DOE is preparing a mission plan for radioactiv
REFERENCE	waste repository R & D. The agency's major geologic
	repository responsibilities are outlined.
	WASTE MANAGEMENT: policy and administration, disposa
	and storage alternatives.
AUTHOR	
TYPE	assoc
ORGANIZATION	Canadian Nuclear Association. (Canada).
TITLE	CNA CONFERENCE SUMMARIES.
PUBLISH	27th Annual Conference of the Canadian Nuclear
DATE	Association. Saint John, New Brunswick. June 14-17,
	1987.
	87/06/00
ABSTRACT	The presentations at the 27th annual conference of t
KEYWORDS	Canadian Nuclear Association are recorded.
LOCATION	WASTE MANAGEMENT:
REFERENCE	NFW 2.2-20-15
AUTHOR	
TYPE	assoc
ORGANIZATION	Canadian Nuclear Association. (Canada).
TITLE	CNA CONFERENCE SUMMARIES.
PUBLISH	28th Annual Conference Proceedings. Winnipeg 1988. 3
DATE	P.
ABSTRACT	88/00/00
	A summary of presentations at the 28th annual

KEYWORDS	conference of the Canadian Nuclear Association are recorded.
LOCATION	WASTE MANAGEMENT:
REFERENCE	NFW 2.2-20-9
AUTHOR	
TYPE	assoc
ORGANIZATION	Canadian Nuclear Association. (Canada).
TITLE	CNA PROCEEDINGS.
PUBLISH	28th Annual Conference Proceedings. Winnipeg 1988.
DATE	p.
ABSTRACT	88/00/00
KEYWORDS	Proceedings of the Canadian Nuclear Association's 28th annual conference are recorded.
LOCATION	WASTE MANAGEMENT:
REFERENCE	NFW 2.2-20-8
AUTHOR	
TYPE	govt
ORGANIZATION	Atomic Energy Control Board. (Canada).
TITLE	COMMENT CONSOLIDATION FOR CONSULTATIVE DOCUMENT C-104
PUBLISH	
DATE	
ABSTRACT	Synopsis of comments received by AECB on its Consultative Doc. C-104 "Regulatory Objectives, Requirements and Guidelines for the Disposal of Radioactive Wastes".
KEYWORDS	WASTE MANAGEMENT: regulations.
LOCATION	
REFERENCE	anne
AUTHOR	
TYPE	Guon, J.; Dewames, R.E.
ORGANIZATION	priv
TITLE	Rockwell Inc. CA (USA).
	COMMERCIAL NUCLEAR WASTE MANAGEMENT: COST AS A FUNCTION OF STRATEGY (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).
PUBLISH	Waste Management Conference 1984. Tucson, AZ (USA).
DATE	March 11-15, 1984. V. 1, p. 365-376.
ABSTRACT	84/03/00
KEYWORDS	An economic comparison addresses various options for the treatment and disposal of high-level radioactive waste. If a repository is designed to accept optimized canisters a consolidation alternative is favored if consolidation/collection costs are less than \$30 kg/uranium. A monitored retrievable storage facility is a critical component of the optimized waste management system if its cost is less than \$100 Kg/U
LOCATION	WASTE MANAGEMENT: economics, disposal and storage alternatives.
REFERENCE	
AUTHOR	
TYPE	Knopp, R.; Stern, H.
ORGANIZATION	acad
TITLE	Bonn University, Bonn (FRG).
PUBLISH	COMPUTER-ASSISTED CONTROL OF A WASTE WATER DECONTAMINATION INSTALLATION.
	Nuc Compact. June 1987. V. 18(3) p. 144-148.

DATE	87/06/00
ABSTRACT	A computer-assisted system for operation control and data registration was developed for the recently completed waste water decontamination installation in the institute for nuclear medicine in Bonn.
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Odoj, R.; Martens, B.R.; Warnecke, E.
TYPE	govt
ORGANIZATION	Nuclear Research Center. (FRG).
TITLE	CONCEPT AND REALIZATION OF QUALITY CONTROL IN FRG.
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dep 1987. p. 287-292.
DATE	87/00/00
ABSTRACT	Radioactive waste packages to be disposed of in FRG must meet the waste acceptance requirement of the repository compliance. The waste acceptance requirements must be checked by a quality control. Fourteen relevant properties are necessary to be assayed.
KEYWORDS	WASTE MANAGEMENT: monitoring.
LOCATION	
REFERENCE	
AUTHOR	Baumgaertel, G.; Kroebel, R.
TYPE	govt
ORGANIZATION	Kernforschungsanlage Juelich M.B.H. (FRG).
TITLE	CONCEPTS FOR NUCLEAR WASTE DISPOSAL. AN INTERNATIONAL COMPARISON.
PUBLISH	Energiewirtschaft. Tagesfragen. May 1987. V. 37(5) p. 391-397.
DATE	87/05/00
ABSTRACT	Disposal of nuclear waste is possible by two methods: reprocessing, or permanent disposal. A review of different countries programs is presented.
KEYWORDS	WASTE MANAGEMENT: international.
LOCATION	
REFERENCE	
AUTHOR	Baumgaertel, G.; Kroebel, R. (Kernforschungszentrum Karlsruhe G.M.B.H., Germany, F.R. Projekt Wiederaufarbeitung und Abfallbehandlung)
TYPE	
ORGANIZATION	
TITLE	CONCEPTS FOR NUCLEAR WASTE DISPOSAL. AN INTERNATIONAL COMPARISON. (in German)
PUBLISH	Energiewirtschaft. Tagesfragen. October 1987. V.37(10) P.812-814.
DATE	87/10/00
ABSTRACT	Continuing an article from the May issue, this article deals with the waste management concepts in the rest of the countries utilizing nuclear power.
KEYWORDS	WASTE MANAGEMENT: international, disposal and storage alternatives.
LOCATION	
REFERENCE	

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

acad/media

DEALING WITH NUCLEAR FUEL WASTE.
Ascent. Fall 1984. V. 5 n. 2. p. 7-12.
84/09/00

Scientists at Atomic Energy of Canada Ltd. are crea
a method of permanently disposing of nuclear fuel
wastes. The conceptual plan calls for fuel waste to
sealed in a vault 500-1000m below the surface of
stable plutonic rock in the Canadian Shield.

WASTE MANAGEMENT:

KEYWORDS
LOCATION
REFERENCE

NFW 2.2-20-18

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Pritchard, George.

DEALING WITH WASTE.
Scram J. March-April 1987. P.11.

DATE
ABSTRACT

87/03-04/00

With long-term storage and future vitrification of
high-level waste and ground disposal sites for
low-level nuclear wastes having been chosen as
suitable disposal methods, the nuclear industry in
Britain believes the problem of radioactive waste
disposal has been solved.

WASTE MANAGEMENT:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Lundstrom, J.E.

PUBLISH
DATE
ABSTRACT

DECONTAMINATION OF A RADIOACTIVE WASTE LIQUID BY
ELECTRODIALYSIS.

24 February 1987. VP.
87/02/24

An apparatus is described for the removal and recove
of acidic and radioactive components of a liquid was
stream comprising in combination a series of at leas
two electrodialysis units or stacks.

WASTE MANAGEMENT:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Tsuji, N.; Yamanouchi, T.; Takahashi, K.; Furukawa,
assoc
International Atomic Energy Agency. Vienna (Austria)
DEVELOPMENT AND IMPROVEMENT OF REPROCESSING TECHNOLO
AT THE TOKAI REPROCESSING PLANT.

PUBLISH

Proceedings of an International Symposium on the Bac
End of the Nuclear Fuel Cycle: Strategies and Option
Jointly organized by the International Atomic Energy
Agency and the Nuclear Energy Agency of the OECD and
held in Vienna, 11-15 May 1987.

DATE
ABSTRACT

87/05/00

A description of the operational experience gained a
the Tokai Reprocessing Plant since the start of hot
testing, including the history of the reprocessing
campaigns carried out and the experience accumulated

KEYWORDS
LOCATION
REFERENCE

from major interventions, radioactive discharges and radiation controls.
WASTE MANAGEMENT: volume reduction.

AUTHOR

Hall, R.; Collins, E.D.; Johnson, J.K.; Krichinsky, A.M.; McGinnis, C.P.; Paton, B.D.; Shor, J.T.; Vedde R.J.

TYPE
ORGANIZATION

TITLE

DEVELOPMENT AND OPERATION OF THE
CONVERSION/SOLIDIFICATION PROCESS FOR THE CEUSP
PROJECT.

PUBLISH

New York, NY. American Institute of Chemical Engineers. 1987. 8 p.

DATE

87/00/00

ABSTRACT

A project called the Consolidated Edison Uranium Solidification Program (CEUSP) was initiated in the late 1970's to solidify the material for safe long-term storage. A unique conversion/solidification process and the equipment to carry it out were conceived, developed, and operated by chemical technology division personnel.

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT: reprocessing, engineering.

AUTHOR

Bechthold, W.; Closs, K.; Knapp, U.; Papp, R.

TYPE
ORGANIZATION

TITLE

DIRECT DISPOSAL OF SPENT NUCLEAR FUEL.

PUBLISH

Norwell, MA. Kluwer Academic Publishers. 1988. 208 p

DATE

88/00/00

ABSTRACT

This work examines the key issues affecting direct disposal of spent nuclear fuel without reprocessing, an option which certain countries now pursue either for economic reasons or to avoid dependence on foreign back-end services. The book provides a discussion of subject of concern to nuclear waste disposal engineers and environmentalists.

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT:

AUTHOR

Einfeld, K.; Lahr, H.

TYPE
ORGANIZATION

assoc
International Atomic Energy Agency. Vienna (Austria)
DWK PILOT CONDITIONING AND ENCAPSULATION PLANT.

TITLE

PUBLISH

Proceedings of an International Symposium on the Back End of the Nuclear Fuel Cycle: Strategies and Options. Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987.

DATE

87/00/00

ABSTRACT

Application for an atomic license for the DWK pilot conditioning and encapsulation plant to be built at Gorleben, FRG, was submitted on May 6, 1986. The plant is designed as a multipurpose facility, its main functions being; unloading and loading of spent fuel and radioactive waste containers from and into

|transport storage casks; spent fuel disassembly and encapsulation, and maintenance of transport.

KEYWORDS
LOCATION
REFERENCE

|WASTE MANAGEMENT: transport, containment.

AUTHOR
TYPE
ORGANIZATION
TITLE

|MacDonnell, N.M.; Peterson, J.M.; Joya, I.E.
govt
Argonne National Lab. IL (USA).
ENGINEERING EVALUATION/COST ANALYSIS FOR THE PROPOSED
MANAGEMENT OF CONTAMINATED WATER IN THE WELDON SPRING
QUARRY.

PUBLISH
DATE
ABSTRACT

|Jan. 1989. 147 p.
89/01/00

|This engineering evaluation/cost analysis report has
been prepared to support the proposed removal action
for management of contaminated water in the Weldon
Spring Quarry. The water became chemically and
radioactively contaminated as a result of contact with
various wastes that were disposed of in the quarry
between 1942 and 1968.

KEYWORDS
LOCATION
REFERENCE

|WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

|Meyers, S.
govt

|EPA's HIGH-LEVEL WASTE STANDARDS AND WASTE PACKAGE.
International Seminar on Radioactive Waste Products
Suitability for Final Disposal. p. 492-496.
85/00/00

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

|WASTE MANAGEMENT: regulations.

AUTHOR
TYPE
ORGANIZATION
TITLE

|Ashley, N.V.; Pope, N.R.; Roach, D.W.J. (PA Technology
(Biotechnology Group) (UK)).
govt

|Department of the Environment. London (UK).
FEASIBILITY STUDY OF THE APPLICATION OF BIOTECHNOLOGY
TO NUCLEAR WASTE TREATMENT.

PUBLISH
DATE
ABSTRACT

|December 1987. 151 p.
87/12/00

|A number of biotechnology areas applicable to the
removal of radionuclides from industrial nuclear
effluents were considered.

KEYWORDS
LOCATION
REFERENCE

|WASTE MANAGEMENT: biotechnology.

AUTHOR
TYPE

|Forsberg, C.W.
govt

ORGANIZATION TITLE	FLWSHEETS AND SOURCE TERMS FOR RADIOACTIVE WASTE PROJECTIONS.
PUBLISH DATE	ORNL Report TM-8462. March 1985. 148 p. 84/03/00
ABSTRACT	Flowsheets describe the waste produced by each nucle fuel cycle facility on the basis of a unit feed input or product output from that facility. Source terms a for DOE are developed and defined.
KEYWORDS	WASTE MANAGEMENT:
LOCATION REFERENCE	
AUTHOR TYPE	Bartlett, Donald L.; Steele, James B. media
ORGANIZATION TITLE	The Philadelphia Inquirer. (USA). FOREVERMORE, NUCLEAR WASTE IN AMERICA.
PUBLISH DATE	W.W. Norton, New York, 1985 85/00/00
ABSTRACT	A comprehensive overview of the nuclear waste situat in the U.S. including history and contemporary issue disposal alternatives, reprocessing, costs, health a environmental effects, political issues.
KEYWORDS	WASTE MANAGEMENT: disposal and storage alternatives, policy and administration, reprocessing, health.
LOCATION REFERENCE	anne
AUTHOR TYPE	acad
ORGANIZATION TITLE	FRENCH HIGH-LEVEL NUCLEAR WASTE PROGRAM: KEY RESEARC Nuclear Waste Management Symposium. Stockholm (Swede Sept. 9-11, 1985. p. 37.
PUBLISH DATE	85/09/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION REFERENCE	
AUTHOR TYPE	Koerner, W.; Ifflander, G.; govt
ORGANIZATION TITLE	Staatliches amt fuer Atomsicherheit und Strahlenschu (GDR). FURTHER DEVELOPMENT OF REGULATIONS FOR HANDLING RADIOACTIVE WASTES IN THE GDR.
PUBLISH DATE	Isotopenpraxis. Oct. 1987. V. 23(10) P. 378-382. 87/10/00
ABSTRACT	After the Atomic Energy Act and the Ordinance on Ato Safety and Radiation Protection were put into force, new degree on the central collection and final disposal of radioactive wastes was issued in the GDR
KEYWORDS	the content of which is discussed.
LOCATION REFERENCE	WASTE MANAGEMENT: policy and administration.
AUTHOR	Woods, R.D.

TYPE
ORGANIZATION
TITLE
PUBLISH

DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

GEOTECHNICAL PRACTICE FOR WASTE DISPOSAL '87.
New York, NY. American Society of Civil Engineers.
1987. 863 p. Geotechnical Special Publication No. 1
87/00/00
This book contains the proceedings of a specialty
conference sponsored by the geotechnical engineering
division of the American Society of Civil Engineers
WASTE MANAGEMENT: engineering.

acad

GERMAN NUCLEAR HIGH-LEVEL WASTE PROGRAM: KEY RESEARCH
AREAS.
Nuclear Waste Management Symposium. Stockholm (Sweden)
Sept. 9-11, 1985. p. 45.
85/09/00

WASTE MANAGEMENT:

Anon.

GETTING THE BETTER OF NUCLEAR WASTE IN BUSHMANLAND.
Afrikaans)
SA Waterbull. December 1987. V.13(6) p.10-13.
87/12/00
This article examines how the AEC copes with the
problem of radioactive waste disposal in South Africa
and prevents contamination of the environment and
groundwater site selection, groundwater, climate,
seismic activities, containers, transport - and
underground storage of radioactive waste at the
Vaalputs radioactive waste disposal facility in
Bushmanland are described.
WASTE MANAGEMENT: groundwater, disposal and storage
alternatives.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Robbins, W.
priv

GETTING THE SHAFT: THE RADIOACTIVE WASTE CONTROVERSY
MANITOBA.
Queenston Publishing House, Winnipeg, 1984.
84/00/00

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION

Thiesing, J.W. (Betchel National, Inc., Oak Ridge, TN)
govt
Oak Ridge National Lab. TN (USA).

TITLE	GIVING RADWASTE IT'S DUE - INTEGRATION OF FACILITY WASTE AND HOUSEKEEPING RESPONSIBILITIES.
PUBLISH	P. 353-359. Oak Ridge Model Conference Proceedings. 1987.
DATE	87/00/00
ABSTRACT	A solution which has been recently implemented at several operating nuclear power facilities is to eliminate the priority problems and competition for resources which have plagued efforts at controlling radwaste by establishing an organization whose mission is to minimize radwaste, see to its expeditious handling, packaging and disposal, address contamination problems quickly, and maintain the facility in a high state of radiological and physical cleanliness.
KEYWORDS	WASTE MANAGEMENT: waste handling and emplacement, volume reduction, containment.
LOCATION REFERENCE	
AUTHOR	Wise, Meg
TYPE	govt
ORGANIZATION	Wisconsin Radioactive Waste Review Board. (USA).
TITLE	HIGH-LEVEL NUCLEAR WASTE: A WISCONSIN PERSPECTIVE.
PUBLISH	WRWRB, Wisconsin Natural Resources Magazine, 1986, 23pp.
DATE	86/00/00
ABSTRACT	Gives a Wisconsin perspective on all aspects of radioactive waste, including storage/disposal option reprocessing, environmental and health concerns, site selection, geology.
KEYWORDS	WASTE MANAGEMENT: disposal and storage alternatives, reprocessing.
LOCATION REFERENCE	anne
AUTHOR	Lopez Perez, B.
TYPE	Rincon Lopez, J.M. (ed.)
ORGANIZATION	Junta de Energia Nuclear, Madrid, Spain; Inst. de Ceramica y Vidrio, Madrid, (Spain).
TITLE	HIGH-LEVEL NUCLEAR WASTES.
PUBLISH	P.1-18. Glasses and glass-ceramics for nuclear waste management. 1987. 212 p.
DATE	87/00/00
ABSTRACT	A brief description of the management of the spent fuel as a high-level nuclear waste is shown, explaining the reprocessing and giving data about the fission products and their radioactivities, which must be considered on the vitrification processes.
KEYWORDS	WASTE MANAGEMENT: reprocessing.
LOCATION REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Government of Canada, Standing Committee on Environment and Forestry. (Canada).
TITLE	HIGH-LEVEL RADIOACTIVE WASTE IN CANADA: THE ELEVENTH HOUR.
PUBLISH	House of Commons, Ottawa, January, 1988, 45pp.

DATE
ABSTRACT

88/01/00

Findings and recommendations of the Standing Committee from its study of storage and disposal of radioactive waste in Canada. Recommendations include: a moratorium on future nuclear plant construction until the waste problem is solved, an independent study of the social, moral, economic, and environmental consequences of the waste management program, transfer of responsibility for the program to Environment Canada, major reforms of the Atomic Energy Control Board and others.

KEYWORDS
LOCATION

WASTE MANAGEMENT: policy and administration.
Canadian Government Publishing Centre, Supply and Services, Canada, Ottawa K1A 0S9
NFW 2.2-20-14

REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

McLaren, L.H., (ed.).

govt

US DOE Technical Information Center.

HIGH-LEVEL RADIOACTIVE WASTES: SUPPLEMENT 1.

Oak Ridge National Lab, TN (USA), 1984. 393 p.
84/00/00

WASTE MANAGEMENT:

AUTHOR

TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

assoc

Friends of the Earth, U.K.

HIGH-LEVEL WASTE.

Friends of the Earth, London. 1985? 26pp.

85/00/00

A brief introduction to the issue of high-level nuclear waste in Britain and a review of the Belier Report (1984) on high-level waste disposal.

WASTE MANAGEMENT: disposal and storage alternatives.
F.O.E. 26-28 Underwood St. London, N1 7JQ, U.K.
anne

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Kearon, Y.

priv

SGN (France).

HLW AND TRU GEOLOGICAL DISPOSAL (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).

Waste Management Conference 1984. Tucson, AZ (USA).
March 11-15, 1984. V. 1, p. 47-54.

84/03/00

High-level and transuranic waste management scenarios under consideration in France are surveyed. Surface interim storage or direct disposal in granite host rocks are concepts under evaluation.

WASTE MANAGEMENT: disposal and storage alternatives.

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

media

HOT, BOTHERED AND NOWHERE TO GO.

Environmental Action. Jan-Feb. 1986. V17(4) p. 18.

DATE	86/01/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Vovk, I.F.; Hirling, J.; Linsley, G.S. (International Atomic Energy Agency, Vienna, Austria. Div. of Nuclear Fuel Cycle)
TYPE	assoc
ORGANIZATION	
TITLE	IAEA ACTIVITIES RELATED TO THE ASSESSMENT OF RADIONUCLIDE MIGRATION IN THE GEOSPHERE.
PUBLISH	Radioact. Waste Manage. Nucl. Fuel Cycle. May 1988. V.10(1-3). P. 159-177.
DATE	88/05/00
ABSTRACT	The main results and trends of the IAEA programme on radioactive waste management and related activity areas relevant to the assessment of radionuclide migration in the geosphere are presented.
KEYWORDS	WASTE MANAGEMENT: radionuclide migration.
LOCATION	
REFERENCE	
AUTHOR	Falconer, Patrick
TYPE	priv
ORGANIZATION	
TITLE	IDEOLOGY, RISK AND PUBLIC CONSULTATION: PLANNING FOR THE MANAGEMENT OF CANADA'S NUCLEAR WASTE.
PUBLISH	Winnipeg, February, 1986, 150pp.
DATE	86/02/00
ABSTRACT	A comprehensive review of the development of Canada's Nuclear Fuel Waste Management program, of risk issue and of public consultation and participation in nuclear waste decision-making in Canada. Concludes that the entire program requires substantial revision and offers recommendations for improvement.
KEYWORDS	WASTE MANAGEMENT: risk analysis, public participation
LOCATION	2-800 Grosvenor Ave. Winnipeg, Manitoba
REFERENCE	anne
AUTHOR	Burrill, K.A.
TYPE	acad
ORGANIZATION	
TITLE	IMMOBILIZING ISOTOPE PRODUCTION WASTE IN GLASS. WASTE MANAGEMENT '84.
PUBLISH	Proceedings of the Symposium on Waste Management, Volume 1. March 11-15, 1984. p. 93-98.
DATE	84/00/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT: glass.
LOCATION	
REFERENCE	
AUTHOR	Oztunali, O.I.; Roles, G.W.
TYPE	acad
ORGANIZATION	
TITLE	IMPACTS OF DE MINIMIS WASTE DISPOSAL (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).
PUBLISH	Waste Management Conference 1984. Tucson, AZ (USA). March 11-15, 1984. V. 1, p. 635-643.

DATE
ABSTRACT

KEYWORDS

LOCATION
REFERENCE

84/03/00

A methodology, formulated to estimate impacts from disposal of radioactive waste by less restrictive means, is discussed. Using several computer codes, minimis impacts of waste transportation, incineration and disposal are examined.
WASTE MANAGEMENT: modelling, transport, other alternatives.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Newman, D.F.; Cole, B.M.
acad

IMPLEMENTATION OF DOE'S SPENT FUEL PROGRAM: A FIRST ANNIVERSARY REPORT OF THE SYMPOSIUM ON WASTE MANAGEMENT.

Proceedings of the Symposium on Waste Management, Volume 1. March 11-15, 1984. p. 153-156.
84/00/00

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Quinn, A., (compiler).
govt

Atomic Energy of Canada Limited.
INDEX TO FOREIGN WASTE MANAGEMENT REPORTS, VOLUME 3.
Technical Record TR-250-3.
84/00/00

WASTE MANAGEMENT: international.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Marque, Y.; Andre-Jehan, R.

INDUSTRIAL LONG-TERM WASTE MANAGEMENT IN FRANCE.
Proceedings of the Symposium on Waste Management. Tucson, Arizona. Feb 3-March 28, 1988. V. II - High-level Waste and General Interest. p. 19-27.
88/03/00

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH

DATE

Fleisch, J.
assoc

International Atomic Energy Agency. Vienna (Austria)
INFLUENCE OF R & D RESULTS ON THE ENGINEERING OF THE WIEDERAUFARBEITUNGSANLAGE WACKERSDORF, FEDERAL REPUBLIC OF GERMANY.

Proceedings of an International Symposium on the Back End of the Nuclear Fuel Cycle: Strategies and Options. Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987. p. 419-431.
87/05/00

ABSTRACT

|The design concept of the first commercial

KEYWORDS
LOCATION
REFERENCE

|Wiederaufarbeitungsanlage (reprocessing plant) at Wackersdorf, (FRG), is based on over 10 years of R & work done in the field of nuclear reprocessing and waste management.

WASTE MANAGEMENT: design, reprocessing.

AUTHOR
TYPE
ORGANIZATION
TITLE

|Tousley, D.R.

|priv

|Harmon and Weiss, Washington, DC (USA).

|INFORMATION MANAGEMENT AND NRC LICENSING: INTERVENOR PERSPECTIVE.

PUBLISH

|Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dep 1987. p. 247-252.

DATE
ABSTRACT

|87/00/00

|The NRC licensing of a high-level waste repository w place extraordinary information management demands o its participants. NRC is currently considering establishment of a computerized licensing support system.

WASTE MANAGEMENT: licensing.

KEYWORDS
LOCATION
REFERENCEAUTHOR
TYPE
ORGANIZATION
TITLE

|Watanabe, S.

|assoc

|International Atomic Energy Agency. Vienna (Austria)

|JAPAN'S NATIONAL POLICY FOR THE BACK END OF THE NUCL FUEL CYCLE.

PUBLISH

|Proceedings of an International Symposium on the Bac End of the Nuclear Fuel Cycle: Strategies and Option Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987. p. 117-129.

DATE
ABSTRACT

|87/05/00

|This report examines Japan's progress in the development of nuclear power generation through LWRS as well as in the implementation of nuclear fuel cyc programmes.

WASTE MANAGEMENT: international.

KEYWORDS
LOCATION
REFERENCEAUTHOR
TYPE
ORGANIZATION
TITLE

|Takashi, M. (Atomic Energy Commission, Tokyo, Japan) govt

|Societe Francaise D'Energie Nucleaire, Paris, (Franc

|JAPANESE POLICY ON NUCLEAR FUEL CYCLE, ESPECIALLY ON THE BACK END SYSTEM.

PUBLISH

|P. 29-37. Recod 87. Nuclear Fuel Reprocessing and Wa

DATE	Management. Volume 3. Paris, France. Societe Francaise d'Energie Nucleaire. 1987. 391 p.
ABSTRACT	87/00/00 Projects, such as nuclear fuel cycle uranium enrichment and reprocessing, as well as the disposal of radioactive waste, are lagging behind the progress of power reactors and are still in the developmental stage. An emphasis is placed to promote these back-end projects in order to establish a balanced system of nuclear energy uses.
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	European Parliament, Energy, Environment and Safeguards Directorate.
TITLE	LISTING OF DOCUMENTS ON NUCLEAR MATTERS.
PUBLISH	March, 1989, 4pp.
DATE	89/03/00
ABSTRACT	Listing of European Community documents since 1979 on reprocessing, waste management, radioactive pollution, fuel production, plant operation and safety, safeguards implementation.
KEYWORDS	WASTE MANAGEMENT: reprocessing.
LOCATION	
REFERENCE	anne
AUTHOR	
TYPE	govt
ORGANIZATION	National Board for Spent Nuclear Fuel, Stockholm, (Sweden).
TITLE	MANAGEMENT AND DISPOSAL OF SPENT NUCLEAR FUEL. REVIEW OF A PROGRAMME FOR RESEARCH, DEVELOPMENT AND OTHER MEASURES.
PUBLISH	May 1987. 144 p.
DATE	87/05/00
ABSTRACT	The programme consists of the long-term and short-term programme, the continued bedrock investigations, the underground research laboratory, the decision making procedure in the site selection process and information questions during the site selection process.
KEYWORDS	WASTE MANAGEMENT: siting.
LOCATION	
REFERENCE	
AUTHOR	Melches, C.; Espejo-Hernandez, J.M.
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria)
TITLE	MANAGEMENT OF NUCLEAR WASTE IN SPAIN.
PUBLISH	Proceedings of an International Symposium on the Back End of the Nuclear Fuel Cycle: Strategies and Options. Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, p. 41-47, 11-15 May 1987.
DATE	87/00/00
ABSTRACT	The responsibility for radioactive waste management

KEYWORDS

Spain is assigned to the Empresa Nacional De Residuo Radiactivos Sa. Management strategies foreseen are; increase in temporary storage capacity for spent fuel selection of sites for final disposal of spent fuel and HLW in deep geological formations; international cooperation; establishment of an R & D programme. WASTE MANAGEMENT: disposal and storage alternatives, international.

LOCATION
REFERENCEAUTHOR
TYPE
ORGANIZATION
TITLE

MANAGEMENT OF TRITIUM-CONTAMINATED WASTES AT THE ETH FACILITY: FUTURE TRENDS FOR ROUTINE MANAGEMENT PRACTICES AND EXPERIMENTAL RESEARCH.

PUBLISH
DATE

Fusion Engineering & Design. 1988. V. 5 p. 385-400. 88/00/00

ABSTRACT
KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Heafield, W.; Barlow, P.
acad

MANAGEMENT OF WASTES FROM THE NUCLEAR FUEL CYCLE.
Nuclear Energy 27, 367. 1988.
88/00/00

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

govt
Office of Civilian Radioactive Waste Management. (US
MANAGING NUCLEAR WASTE: A BETTER IDEA.
US DOE Office of Civilian Radioactive Waste Managemen
248 p.
84/00/00

WASTE MANAGEMENT: other alternatives.

DATE
ABSTRACT
KEYWORDS
LOCATION

REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Arnott, D.
priv

MICRO-ORGANISMS AND NUCLEAR WASTE: A NEGLECTED PROBL
1989. 8 p.
89/00/00

The paper addresses the problem of bacteria in nucle waste disposal. A description is given of how bacter colonized the Three Mile Island Nuclear Reactor soon after meltdown, demonstrating the ability of some bacteria to operate under extreme conditions. Work i also described indicating that microbial corrosion o metal containers can occur. Thus, the author recommends that studies of nuclear waste disposal

KEYWORDS

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

should take into account the interrelations between geology, geochemistry and microbiology.
WASTE MANAGEMENT: microbiology, geology, disposal and storage alternatives.

media

MINNESOTA CRITICIZES CANADA-US WASTE TEST IN MANITO
Globe & Mail, June 25, 1985. p. 4.
85/06/25

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION

TITLE
PUBLISH

DATE
ABSTRACT

Smith, B.L.; Neff, R.H.
govt

Tennessee Department of Health and Environment. TN
(USA).

MRS REVISITED.

Waste Management '87: Waste Isolation in the US,
Technical Programs and Public Education. Tucson, AZ,
(USA). University of Arizona Nuclear Engineering Dept.
1987. p. 237-242.

87/00/00

The state of Tennessee's opposition to the construction of a monitored retrievable storage facility remains unaltered. Major issues are revisited from the State perspective, in the changing context of the Department of Energy's programmatic decisions and scheduling revisions, and the new leadership, in Congress and the State. The DoEnergy's justifications for MRS and its growing costs are discussed.

KEYWORDS

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

WASTE MANAGEMENT: monitoring, retrieval, public participation.

assoc

The Safe Energy Communication Council. (USA).
MYTH BUSTERS #2.

S.E.C.C. Washington, D.C. Winter, 1988, 8pp.

88/00/00

Examines misleading information propagated by the nuclear industry about radioactive waste and provides answers to some common questions about permanent storage of waste.

WASTE MANAGEMENT: education.

KEYWORDS
LOCATION
REFERENCE

NFW 2.2-20-21

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

anon

NAGRA/CEDRA: FUTURE RESEARCH PARTICIPATION BY THE US
Bull. Schweiz. Elektrotech. Ver. 24 Oct. 1987. V.
78(20) p. 180.

DATE	87/10/00
ABSTRACT	The participation of American specialists in the Nagra/Cedra project for radioactive waste disposal for the next three years is reported.
KEYWORDS	WASTE MANAGEMENT: international.
LOCATION	
REFERENCE	
AUTHOR	Schneider, K.J.; Harmon, K.M.; Lakey, L.T.; Silviera D.J.; Leigh, I.W.
TYPE	priv
ORGANIZATION	Pacific Northwest Lab. WA (USA).
TITLE	NATIONAL BRIEFING SUMMARIES: NUCLEAR FUEL CYCLE AND WASTE MANAGEMENT.
PUBLISH	September 1987. 317 p.
DATE	87/09/00
ABSTRACT	This report is a compilation of publicly-available information concerning the nuclear fuel cycle and radioactive waste management strategies and programs of 20 nations and three international agencies that have publicized their activities in this field.
KEYWORDS	WASTE MANAGEMENT: international.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria)
TITLE	NATIONAL REPORTS ON RADIOACTIVE WASTE MANAGEMENT.
PUBLISH	April 1986. V. 28(1) p. 37.
DATE	86/04/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	NB OFFICIALS MUST FIGHT NUCLEAR DUMP: (US) SENATOR.
PUBLISH	Halifax Chronicle Herald, March 22, 1986. p. 23-C
DATE	86/03/22
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Mcbrien, S.; Jones, L.
TYPE	priv/govt
ORGANIZATION	Mitre Corporation, VA (USA).
TITLE	NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS.
PUBLISH	1984. 205 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	McLaren, L.H.; Lorenz, J.J.
TYPE	govt
ORGANIZATION	US DOE Office of Scientific and Technical Informatio

TITLE
PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

TN (USA).
NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS, 1977-1
A BIBLIOGRAPHY.
June 1987. 342 p.
87/06/00
This bibliography contains information on the NNWSI
that was added to the Department of Energy's data b
from January 1977 to December 1985.
WASTE MANAGEMENT:

Townes, G.A.; Godfrey, W.L; Anderson, K.J.
govt
Sandia National Lab. NM (USA).
NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS PROJECT
CONCEPTUAL DESIGN OF FACILITIES FOR UNLOADING
RADIOACTIVE WASTE FROM SHIPPING CASKS.

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

Aug. 1987. 61 p.
87/08/00
This report presents the results of a conceptual des
study for the development of facilities for unloading
high-level waste and spent fuel from shipping casks.
The study defines methods, operations, equipment, and
layout of facilities.
WASTE MANAGEMENT:

anon
acad
NEW PLANT IMPROVES RADWASTE PROCESSING AT THE TOKAI
BWR.
Nuclear Energy Institute. Aug. 1987. V. 32(397). p.
51-53.
87/08/00
A new radwaste treatment facility went into operatio
last year at the Japan Atomic Power Co.'s Tokai 2 BW
The facility, which includes an incinerator, provide
a significant improvement in volume reduction and
discharges over the existing waste treatment plant.
WASTE MANAGEMENT: volume reduction.

anon
govt
German Atomic Forum. (FRG).
NEWS FROM THE DATF (GERMAN ATOMIC FORUM):
DECOMMISSIONING AND DISMANTLING OF NUCLEAR
INSTALLATIONS. A PAPER PRESENTED FOR DISCUSSION BY T
DATF.
Atomwirtsch., Atomtech. Aug-Sept. 1987. V32(8/9) p.
A162-A164.
87/08/00
The following conditions are, timely, discussed: wha
are the conditions suggesting application for a
permit; is the plant subject to nuclear law during t
operating phase identical with the plant shut down a
destined for decommissioning; what are the safety

KEYWORDS	engineering requirements to be met; are there
LOCATION	possibilities of standardizing the activities of the
REFERENCE	licensing authorities.
	WASTE MANAGEMENT:
AUTHOR	Delprato, U.
TYPE	acad
ORGANIZATION	Rome University. (Italy).
TITLE	NONDESTRUCTIVE TECHNIQUES FOR THE CONTROL OF
	CONDITIONED RADIOACTIVE WASTES. FEASIBILITY STUDY OF
PUBLISH	DEVICE BASED ON COMPUTERIZED TOMOGRAPHY.
DATE	1987. 134 p.
ABSTRACT	87/00/00 The final product of the radwaste conditioning proce
	must satisfy certain requirements and physico-chemic
	properties in order to assure its safe long term
	behaviour. This work presents an overview of various
	applicable non destructive methods of analysis,
	showing their fields of investigation in testing was
	packages, together with some arising practical
	problems.
KEYWORDS	WASTE MANAGEMENT: containment.
LOCATION	
REFERENCE	
AUTHOR	Sparrow, B. (Chairman).
TYPE	
ORGANIZATION	
TITLE	NUCLEAR ENERGY: UNMASKING THE MYSTERY.
PUBLISH	Tenth Report of the Standing Committee on Energy, Mi
	and Resources. 1988.
DATE	88/00/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	NFW 2.2-20-11
AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	NUCLEAR FUEL WASTE MANAGEMENT PROGRAM: RESULTS OF 19
	OCTOBER GALLUP SURVEY.
PUBLISH	1985. 20 p.
DATE	85/00/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT: public participation.
LOCATION	
REFERENCE	
AUTHOR	Lynn, R.; Tuliah, M.
TYPE	priv
ORGANIZATION	
TITLE	NUCLEAR FUEL WASTE MANAGEMENT: PROTECTING THE FUTURE
PUBLISH	Nuclear Information Series, Pinawa, (Canada). 1984.
	p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	

REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

govt

NUCLEAR FUND FEE ADEQUACY: AN ASSESSMENT.
DOE Report RW-0020. June 1987. 15 p.
87/06/00

WASTE MANAGEMENT: public participation.

AUTHOR
TYPE
ORGANIZATION
TITLE

Carter, Luther J.
priv

Resources For the Future. (USA).
NUCLEAR IMPERATIVES AND PUBLIC TRUST: DEALING WITH
RADIOACTIVE WASTE.

PUBLISH
DATE
ABSTRACT

Issues in Science and Technology, Winter, 1987, 16pp.
87/00/00

Discusses problems with the site characterization
process in the U.S. A single site should be selected
for intensive characterization and criteria must be
revamped. Attempts at political consensus and
building public trust must be made. Incentives should
be provided to potential host areas. Greater emphasis
must be placed on engineered barriers.

WASTE MANAGEMENT: siting, public participation

KEYWORDS
LOCATION
REFERENCE

NFW 2.2-20-23

AUTHOR
TYPE
ORGANIZATION

Silman, Janet; Wotton, Pat; Wieser, Anne
assoc

United Church, Manitoba and Northwestern Ontario
Conference, Evangelism and Social Action Council.
(Canada).

TITLE
PUBLISH
DATE
ABSTRACT

NUCLEAR POWER KIT.
Winnipeg, April, 1988
88/04/00

Study kit developed for use by church congregations,
designed to acquaint people with some of the basic
issues of nuclear power and nuclear waste, to
stimulate discussion and encourage further study and
involvement. Final section includes theological
reflections and stewardship concerns developed
particularly from a United Church perspective.

WASTE MANAGEMENT: education.

KEYWORDS
LOCATION
REFERENCE

United Church House, 120 Maryland St. Winnipeg,
Manitoba
anne

AUTHOR

Hennies, H.H. (Kernforschungszentrum Karlsruhe

TYPE	G.M.B.H., Germany, F.R.).
ORGANIZATION	
TITLE	NUCLEAR R AND D IN GERMANY.
PUBLISH	Nucl. Eur. January 1987. V. 7(1-2) P.21-23.
DATE	87/01/00
ABSTRACT	The main topics discussed are: safety and economics large FBRS and the corresponding fuel cycle, waste management and final disposal.
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	Nuclear Energy Agency. Paris (France).
TITLE	NUCLEAR SPENT FUEL MANAGEMENT: EXPERIENCE AND OPTION
PUBLISH	1986. 108 p.
DATE	86/00/00
ABSTRACT	The purpose of this study is to review objectively e stage of spent fuel management, looking at past experience and future options.
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	NFW 2.2-20-12
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	NUCLEAR WASTE CONCERNS - FRECH. ATOMIC ENERGY OF CANADA.
PUBLISH	Winnipeg Free Press, Dec 14, 1985. p. 7.
DATE	85/12/14
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	NUCLEAR WASTE FACILITY BACKED.
PUBLISH	Calgary Herald, Oct. 2, 1985, p. F8.
DATE	85/10/02
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Ahall, Karl-Inge; Lindstrom, Marianne; Holmstrand, Olov; Helander, Bjorn; Goldstick, Miles
TYPE	assoc
ORGANIZATION	
TITLE	Folkkampanjen mot Karnkraft-Karnvapen (Peoples Movem Against Nuclear Power and Nuclear Weapons). (Sweden)
PUBLISH	NUCLEAR WASTE IN SWEDEN - THE PROBLEM IS NOT SOLVED!
DATE	WISE, Amsterdam, August, 1988, 84pp.
ABSTRACT	88/08/00 A socially and technically acceptable solution to th nuclear waste problem has not yet been found. Documents the political development of the waste iss

KEYWORDS
LOCATION
REFERENCE

in Sweden, especially examining the manoeuvring between the government, regulatory officials and nuclear proponents.
WASTE MANAGEMENT:
WISE, P.O.Box 5627, 1007-AP, Amsterdam, The Netherlands

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Shemilt, L.W.; Shenbg, G.
media

NUCLEAR WASTE MANAGEMENT IN CANADA.
Energy Newsletter 5(1): 35-44.
84/00/00

Extensive scientific and engineering work on nuclear waste management is underway in countries with a nuclear power program. There are no major technical problems in relation to the safe, temporary storage of fuel or reprocessed high-level waste from civilian power programs. Canada's role is discussed

WASTE MANAGEMENT:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Rippon, S.
media

NUCLEAR WASTE MANAGEMENT IN WESTERN EUROPE.
Nuclear News, March 1987: 79-89.
87/03/00

WASTE MANAGEMENT: international.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Behrens, C.E.
govt

DATE
ABSTRACT

NUCLEAR WASTE MANAGEMENT.
US Library of Congress Congressional Research Service
Report IB83010. May 25, 1984. 15 p.
84/05/25
Issues concerning disposal of radioactive wastes from
nuclear energy power plants and military weapons
programs are reviewed. The source and types of nucle

KEYWORDS
LOCATION
REFERENCE

wastes are briefly noted, and efforts to establish waste management programs are examined.

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Rusche, B.C. (Office of Civilian Radioactive Waste
Management, US DOE, Washington, DC)
govt

NUCLEAR WASTE MANAGEMENT.
P. 8-11. Proceedings of the American Power Conference
Volume 49, Chicago, IL. Illinois Inst. of Technology
1987.

DATE
ABSTRACT

The author proposes to briefly summarize some of the significant achievements concerning implementation of

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT: policy and administration.

anne

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Walker, D.D.; Ebra, M.A.

NUCLEAR WASTE SOLUTIONS.

31 March 1987. VP.

87/03/31

A process is described for the removal of technetium values from a nuclear waste solution which contains initial, TC-99, concentration in the range of about
WASTE MANAGEMENT:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION

media

NUCLEAR WASTE VAULT URGED FOR ONTARIO.

Toronto Star, Oct. 2, 1985. p. A2.

85/10/02

WASTE MANAGEMENT: disposal and storage alternatives.

REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Hancock, D.
acad/media

NUCLEAR WASTE: ANOTHER WASHINGTON SCANDAL.

The Workbook Feature. Vol. 12(1). Jan-March 1987. 5

87/01/00

Decisions made by the Reagan administration on the proper disposal methods for high-level radioactive waste are criticized in this report.

WASTE MANAGEMENT: policy and administration.

KEYWORDS
LOCATION
REFERENCE

NFW 2.2-20-20

AUTHOR
TYPE
ORGANIZATION
TITLE

govt

NUCLEAR WASTE: DOE SHOULD PROVIDE MORE INFORMATION ON MONITORED RETRIEVABLE STORAGE.

GAO Report RCED-87-92. June 1987. 70 p.

87/06/00

WASTE MANAGEMENT: retrieval.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

govt

NUCLEAR WASTE: QUARTERLY REPORT ON DOE'S NUCLEAR WASTE PROGRAM AS OF JUNE 30, 1986.

GAO Report RCECD-86-206FS, August 1986. 22 p.

86/08/00

PUBLISH
DATE
ABSTRACT

KEYWORDS	WASTE MANAGEMENT: economics.
LOCATION	
REFERENCE	
AUTHOR	Edwards, Gordon
TYPE	assoc
ORGANIZATION	Canadian Coalition for Nuclear Responsibility. (Canada).
TITLE	NUCLEAR WASTES - WHAT ME WORRY?
PUBLISH	CCNR, Montreal (Revised and updated version) February, 1987, 90pp.
DATE	87/02/00
ABSTRACT	Strongly criticizes the Hare Report (EMR Document EP 77-6) which formed the basis for radioactive waste disposal policy in Canada. Covers all aspects of waste management, including reprocessing, transportation, siting, costs, public participation, decommissioning

KEYWORDS	health effects, alternatives to disposal. WASTE MANAGEMENT: health, siting, transport, other alternatives.
LOCATION	CCNR, 53 Dufferin Rd. Montreal, Quebec H2X 3X8
REFERENCE	anne
AUTHOR	Bibb, W.R.
TYPE	govt
ORGANIZATION	Oak Ridge National Lab. TN (USA).
TITLE	OAK RIDGE MODEL FOR WASTE MANAGEMENT.
PUBLISH	P. 7-11. Oak Ridge Model Conference: proceedings. 19
DATE	87/00/00
ABSTRACT	The Oak Ridge model is a concept addressing waste disposal problems at facilities administered by the DOE's Oak Ridge operations office. The model concept used DOE facilities as laboratories to develop and/or demonstrate technology for cleaning up environmental problems caused by radioactive and hazardous wastes which can be applied to problems at Oak Ridge facilities as well as facilities throughout the US.
KEYWORDS	WASTE MANAGEMENT: disposal and storage alternatives.
LOCATION	
REFERENCE	

AUTHOR	Fernandez, S.J.; McManus, G.J.
TYPE	govt
ORGANIZATION	
TITLE	OFF-GAS MONITORING TECHNOLOGY APPLICABLE TO NUCLEAR FUEL REPROCESSING PLANTS.
PUBLISH	DOE Report WINCO-1015. Sept. 1984. 228 p.
DATE	84/09/00
ABSTRACT	Three effluent monitoring approaches were tested for application to nuclear fuel reprocessing plant off-gases: HEPA filter systems; continuous, on-line plutonium monitoring; continuous, on-line, stack monitoring for gaseous radionuclides.
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	

AUTHOR	
TYPE	govt
ORGANIZATION	USDOE Office of Civilian Radioactive Waste Management Washington, DC (USA).

TITLE	OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT PUBLICATIONS CATALOGUE ON HIGH-LEVEL RADIOACTIVE WA MANAGEMENT.
PUBLISH	July 1987. 142 p.
DATE	87/07/00
ABSTRACT	The US DOE is publishing this catalog to provide citations of selected technical and public informat on the subject of high-level radioactive waste
KEYWORDS	management.
LOCATION	WASTE MANAGEMENT:
REFERENCE	
AUTHOR	Moore, R.S.
TYPE	priv/govt
ORGANIZATION	Maxima Corp. (USA).; Pacific Northwest Lab. WA (USA)
TITLE	OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT.
PUBLISH	Spent Fuel Storage Technical Exchange. p. 295-316.
DATE	87/00/00
ABSTRACT	Published in summary form only. Available from NTIS, A14/MF AO1 as DE87012683.
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	OFFICIALS RESISTS US A-WASTE DUMP NEAR THE CENTRAL CANADIAN BORDER.
PUBLISH	Globe & Mail, July 12, 1985. p. 10.
DATE	85/07/12
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Strachan, N.R.; Wakerley, M.W. (Associated Nuclear Services, Epsom, UK).
TYPE	
ORGANIZATION	Department of the Environment. London (UK); Associat Nuclear Services, Epsom.
TITLE	OPTIMIZATION OF WASTE MANAGEMENT BY ACTIONS TAKEN AT SOURCE. FINAL REPORT.
PUBLISH	January 1988. 119 p.
DATE	88/01/00
ABSTRACT	The purpose of this document is to collate and revie information on those measures and practices adopted within nuclear facilities to optimize the management of nuclear waste at the point of arising.
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	OTTAWA TO STUDY RISKS OF US NUCLEAR DUMPS.
PUBLISH	Calgary Herald, Jan. 17, 1986. p. F7.
DATE	86/01/17

ABSTRACT
KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT: risk analysis.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

media

OTTAWA VOWS TO PROTECT WATER FROM US NUCLEAR DUMP.
Toronto Star, Feb. 15, 1986. p. A3.
86/02/15

WASTE MANAGEMENT: safety analysis.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Barrere, M.
priv

OU ENFOUIR DES DECHETS NUCLEAIRES?
La Recherche, 166(5): 680-683.
85/00/00

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Johnson, Carl A.
govt
Nevada Agency for Nuclear Projects. (USA).
OVERSIGHT--A KEY INGREDIENT IN THE HIGH-LEVEL WASTE
REPOSITORY PROGRAM.
American Nuclear Society, International Conference,
Washington, D.C., November, 1988, 11pp.
88/11/04

Well-funded, independent, oversight of work being
conducted to characterize the Yucca Mountain site is
necessary. Details several serious geological
concerns about the site revealed through the State o
Nevada's oversight work. There are also concerns
about the adequacy of state-of-the-art geology and
hydrology to assess the potential for a high-level
nuclear waste repository.

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT: siting, geology.
Capitol Complex, Carson City, Nevada 89710
NFW 2.2-20-22

AUTHOR
TYPE
ORGANIZATION
TITLE

acad/media

OVERVIEW OF THE FEDERAL HLW PROGRAM (THE CITIZENS'
NUCLEAR WASTE MANUAL).

PUBLISH	Nuclear Information & Resource Service Report. May 1984. pII-1. 34 p.
DATE	84/05/00
ABSTRACT	The basic strategy of the federal high-level radioactive waste disposal program is explained.
KEYWORDS	WASTE MANAGEMENT: policy and administration, disposal and storage alternatives.
LOCATION	
REFERENCE	
AUTHOR	Ruecker, C.M.; Scott, P.A.
TYPE	priv
ORGANIZATION	Pacific Northwest Lab. WA (USA).
TITLE	PARAMETERS INFLUENCING THE AEROSOL CAPTURE PERFORMANCE OF THE SUBMERGED-BED SCRUBBER.
PUBLISH	April 1987. 83 p.
DATE	87/04/00
ABSTRACT	The submerged-bed scrubber is a novel air cleaning device that has been investigated by Pacific Northwest Lab for scrubbing off gases from liquid-fed ceramic melters used to vitrify high-level waste.
KEYWORDS	WASTE MANAGEMENT: glass.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	British House of Commons, Standing Committee E.
TITLE	PARLIAMENTARY DEBATES: ELECTRICITY BILL.
PUBLISH	Her Majesty's Stationery Office, London, March, 1989, 10pp.
DATE	89/03/07
ABSTRACT	Transcript of debate over the proposed Electricity Bill with respect to privatisation and government financial assistance for liabilities such as waste disposal and decommissioning.
KEYWORDS	WASTE MANAGEMENT: policy and administration, legislation.
LOCATION	
REFERENCE	anne
AUTHOR	
TYPE	
ORGANIZATION	
TITLE	
PUBLISH	
DATE	
ABSTRACT	PLANNING UP TO THE END OF MANKIND. NUCLEAR WASTE: SWEDEN'S REPOSITORIES IN THE SUB-SEAFLOOR GRANITE. H SWEDEN PLANS TO COPE WITH THE JOB OF BURYING THE LEFT-OVERS OF IT'S COMMITMENT TO NUCLEAR POWER. (in German) Sueddtsch. Ztg. 22 February 1988. V.44(43) p.3/88/02/22 The article explains the plans set up by Sweden for
KEYWORDS	
LOCATION	
REFERENCE	management and ultimate disposal of the radioactive wastes from the country's nuclear power stations. Particularly against the background of Sweden's decision to back out of the utilization of nuclear power. WASTE MANAGEMENT:

AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	media POSSIBLE NUCLEAR DUMP NEAR BORDER PROMPTS CANADIAN CONCERN. Winnipeg Free Press, July 12, 1985. p. 56. 85/07/12 WASTE MANAGEMENT: public participation.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Sears, M.B. govt Oak Ridge National Lab. NM (USA). PRELIMINARY ASSESSMENT OF THE RADIOLOGICAL IMPACT FO INDIVIDUAL WASTE MANAGEMENT AREAS AT THE OAK RIDGE NATIONAL LABORATORY: STATUS REPORT. Sept. 1987. 97 p. 87/09/00 This study estimates the radiological impact for individual waste management areas at the Oak Ridge National Lab., and ranks the areas for remedial acti based on the off site doses that result from these discharges to White Oak Creek. WASTE MANAGEMENT: waste characterization.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Raibaud, J.; Cirasse, P. govt Societe Technique pour L'Energie Atomique (Technicatome) Centre D'Etudes Nucleaires de Saclay, (France). PROCESS AND INSTALLATION FOR ENCAPSULATION IN BITUME LIQUID TOXIC OR RADIOACTIVE WASTES. (in French) 9 October 1987; 4 April 1986. 14 p. 87/10/09 Liquid wastes are solidified by heat treatment, the solid wastes are introduced at the same time with bitumen in an extruder which is heated at required temperature to obtain at the outlet liquified bitume containing the wastes, the mixture is hardened in a
KEYWORDS LOCATION REFERENCE	container. WASTE MANAGEMENT:
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	 PROGRESS IN SWEDISH SPENT FUEL AND RADIOACTIVE WASTE MANAGEMENT. World Nuclear Fuel Market 13th International Conference. (Belgium). Oct. 19-21, 1986. p. 167-180. 86/10/00 WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE

Hancox, W.
govt

PUBLISH

PROGRESS IN THE CANADIAN NUCLEAR FUEL WASTE MANAGEMENT PROGRAM.

Conference Proceedings, 2nd International Conference on Radioactive Waste Management, September 7-11, 1986. 1-9.

DATE

86/09/00

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE

Forsstrom, H.G.

assoc

Canadian Nuclear Society. (Canada).

PROGRESS OF THE SWEDISH RADIOACTIVE WASTE MANAGEMENT PROGRAM.

PUBLISH

Canadian Nuclear Society 2nd International Conference on Radioactive Waste Management. Sept. 7-11, 1986. 33-40.

DATE

86/09/00

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION

Higson, S.G. (British Nuclear Fuels Ltd., Risley)
priv

Department of the Environment. London. Radioactive waste (professional) Div.

TITLE

PROGRESS REPORT FOR 1986 FROM THE PLUTONIUM CONTAMINATED MATERIALS WORKING PARTY.

PUBLISH
DATE
ABSTRACT

November 1987. 78 p.

87/11/00

The paper covers progress during 1986 under the joint BNFL/MOD/DOE funded PCM working party studying the management, treatment and immobilization of plutonium contaminated materials.

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT: containment.

AUTHOR
TYPE
ORGANIZATION
TITLE

Hancox, W.
priv

PUBLISH

PROGRESS TOWARD A CANADIAN CONCEPT FOR DISPOSAL OF NUCLEAR FUEL WASTE.

Presentation to the House of Commons Standing Committee on Environment and Forestry, Feb. 2, 1987. 7 p.

DATE

87/02/02

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

WASTE MANAGEMENT: disposal and storage alternatives.

AUTHOR
TYPE
ORGANIZATION
TITLE

govt

Parliament of Great Britain, House of Commons

RADIOACTIVE WASTE DEBATE, HOUSE OF COMMONS OFFICIAL

PUBLISH DATE ABSTRACT	REPORT. Hansard, Vol.139, No.206, 28 October,1988, 63pp. 88/10/28 Transcript of British House of Commons debate on the Report of the Select Committee on Environment examining radioactive waste. Covers areas of reprocessing, nuclear energy production, above-ground dry storage alternatives for waste and political considerations.
KEYWORDS LOCATION REFERENCE	WASTE MANAGEMENT: anne
AUTHOR TYPE ORGANIZATION TITLE	Meggitt, G.C.; Phillips, F. UKAEA Safety and Reliability Directorate, Culcheth. RADIOACTIVE WASTE DISPOSAL BY UKAEA ESTABLISHMENTS DURING 1985 AND ASSOCIATED ENVIRONMENTAL MONITORING RESULTS.
PUBLISH DATE ABSTRACT	September 1987. 19 p. 87/09/00 This report gives details of the amount and types of solid, liquid and gaseous wastes disposed of by establishments of the UK Atomic Energy Authority in 1985.

KEYWORDS LOCATION REFERENCE	WASTE MANAGEMENT: waste characterization.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Brennecke, P.; Schumacher, J.; Warnecke, E. govt Physikalisch-Technische Bundesanstalt, (FRG). RADIOACTIVE WASTE IN FEDERAL GERMANY. Nucl. Eur. Jan. 1988. V. 8(1-2) p. 34-35. 88/01/00 The Physikalisch-Technische Bundesanstalt (PTB) is responsible for the long-term storage and disposal of radioactive waste. Since 1985, the PTB has been carrying out annual inquiries into the amounts of radioactive waste produced in the FRG.
KEYWORDS LOCATION REFERENCE	WASTE MANAGEMENT:

AUTHOR TYPE ORGANIZATION TITLE	govt/assoc Radioactive Waste Management Advisory Committee, (UK) RADIOACTIVE WASTE MANAGEMENT ADVISORY COMMITTEE 8th ANNUAL REPORT MADE TO THE SECRETARY OF STATE FOR THE ENVIRONMENT, SECRETARY OF STATE FOR SCOTLAND AND SECRETARY OF STATE FOR WALES.
PUBLISH DATE ABSTRACT	HM Stationary Office. Sept. 1987. 88 p. 87/09/00 The 8th annual report of the RWMAC contains chapters on the problems of the public perception of the risks of radioactivity and of communicating effectively with the public. Research and development in waste management procedure is reviewed and environmental studies and feasibility studies on deep ocean disposal site and the environmental monitoring of radioactivity are discussed.

KEYWORDS

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT: public participation, disposal and storage alternatives, marine disposal.

Egloff, V.

RADIOACTIVE WASTE MANAGEMENT IN SWITZERLAND: THE LEGAL FRAMEWORK.

Cedra Informe. No. 4. Dec. 1987.
87/12/00

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Giniff, M.E.

assoc

Canadian Nuclear Society. (Canada).

RADIOACTIVE WASTE MANAGEMENT IN THE UNITED KINGDOM. Canadian Nuclear Society 2nd International Conference on Radioactive Waste Management. Sept. 7-11, 1986. p. 18-25.

86/09/00

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Hawley, N.J.

govt

Atomic Energy of Canada Limited.

RADIOACTIVE WASTE MANAGEMENT IN CANADA: AECL PUBLICATIONS AND OTHER LITERATURE 1983-1985. 1986. 47 p.

86/00/00

WASTE MANAGEMENT: policy and administration.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

RADIOACTIVE WASTE MANAGEMENT POLICIES IN SEVEN INDUSTRIALIZED DEMOCRACIES.

Geoforum. 1987. V. 18(4). p. 415-432.
87/00/00

WASTE MANAGEMENT: international.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE

govt

Nuclear Regulatory Commission, Washington DC (USA).

RADIOACTIVE WASTE MANAGEMENT RESEARCH PROGRAM PLAN FOR HIGH-LEVEL WASTE: 1987.

May 1987. 59 p.

87/05/00

ABSTRACT	This plan will identify and resolve technical and scientific issues involved in the NRC's licensing and regulation of disposal systems intended to isolate high-level hazardous radioactive wastes from the human environment.
KEYWORDS	WASTE MANAGEMENT: regulations, disposal and storage alternatives.

LOCATION
REFERENCE

AUTHOR	Fellingham, L.R. (Radioactive Waste Management Progr Harwell Lab., Didcot, Oxfordshire, UK).
TYPE	
ORGANIZATION	
TITLE	RADIOACTIVE WASTE MANAGEMENT R AND D AT HARWELL.
PUBLISH	Radioact. Waste Manag. Nucl. Fuel Cycle. December 19 V.9(1-3) P. 151-181.
DATE	87/12/00
ABSTRACT	The work covers the whole spectrum of radioactive waste management R and D from the definition and characterization of the waste arisings, the pretreatment and immobilization of low- and intermediate-level wastes through the vitrification high-level liquid wastes to storage, transport and finally disposal.
KEYWORDS	WASTE MANAGEMENT: waste characterization, glass, transport.

LOCATION
REFERENCE

AUTHOR	Larsson, A.H.; Andersson, K.A. (Swedish Nuclear Power Inspectorate, Stockholm)
TYPE	govt
ORGANIZATION	
TITLE	RADIOACTIVE WASTE MANAGEMENT- A GENERAL OVERVIEW.
PUBLISH	Energy Explor. Exploit. 1987. V. 5(5-6) P. 473-486.
DATE	87/00/00
ABSTRACT	The paper looks at radioactive waste management for nuclear power production with emphasis on the recent development of nuclear waste handling practices. A description is given of the waste handling, treatment and conditioning of the different types of radioactive waste. The storage and disposal of waste is described and the evaluation of the final disposal is considered.
KEYWORDS	WASTE MANAGEMENT: waste handling and emplacement.

KEYWORDS
LOCATION
REFERENCE

AUTHOR	Sayers, J.; Price, M.;
TYPE	govt
ORGANIZATION	Ukaea Atomic Energy Establishment, (UK).
TITLE	RADIOACTIVE WASTE MANAGEMENT.
PUBLISH	Atom. (UK). Sept. 1987. No. 371 p. 19-21, 23.
DATE	87/09/00
ABSTRACT	The paper concerns the work and facilities for research and development into the management of radioactive waste carried out at Winfrith Atomic Energy Establishment (UK).

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Dutton, R.; Stevenson, M.A.; Dowell, T.M.
acad

DATE
ABSTRACT
KEYWORDS

RADIOACTIVE WASTE MANAGEMENT: SOCIO-ETHICAL DIMENSIONS
Conference Proceedings, 2nd International Conference
Radioactive Waste Management, September 7-11, 1986.
261-265.
86/00/00

LOCATION
REFERENCE

WASTE MANAGEMENT: socio-economic and ecological
impacts.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Teillac, J.
govt
Atomic Energy Commission. (France).
RADIOACTIVE WASTE PROCESSING AND DISPOSAL: THE OPTIC
CEA Notes D'Information. Dec. 1984. p.8-23.
84/12/00
Technologies devised for the processing, storage and
disposal of radioactive wastes are profiled.
WASTE MANAGEMENT: disposal and storage alternatives.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION

acad
The Open University, Energy and Environment Research
Unit. (UK).
RADIOACTIVE WASTE; PARLIAMENTARY PAPERS AND QUESTION
February, 1989, 19pp.
89/02/00
Exerpts from House of Commons Question period in
Britain on matters relating to radioactive waste.
WASTE MANAGEMENT:

TITLE
PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

anne

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Foosun Lau (Cambridge Univ., UK)
acad
RADIOACTIVITY AND NUCLEAR WASTE DISPOSAL.
Letchworth, UK. Research Studies Press Ltd. 1987. 64
p.
87/00/00
This book brings together the author's extensive
studies in the principles and practice of radioactiv

DATE
ABSTRACT

|waste disposal.

KEYWORDS	WASTE MANAGEMENT: disposal and storage alternatives.
LOCATION	
REFERENCE	
AUTHOR	Roberts, L.E.J. (British Nuclear Energy Society, London)
TYPE	govt
ORGANIZATION	
TITLE	RADWASTE - SPECTRE OR SYMBOL.
PUBLISH	Proc. R. Inst. G. B. 1987. V.59 P. 259-277.
DATE	87/00/00
ABSTRACT	The sources of ionizing radiation, both natural and artificial, are considered and values of the radiation levels and annual public radiation dose in the UK are given. The monitoring and regulating system for radiological exposure are also explained.
KEYWORDS	WASTE MANAGEMENT: monitoring, regulations.
LOCATION	
REFERENCE	
AUTHOR	Codee, H.D.K.; Vrijen, I.J.; Post, R.G.
TYPE	govt
ORGANIZATION	
TITLE	RADWASTE IN THE NETHERLANDS.
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dept 1987. p. 97-102.
DATE	87/00/00
ABSTRACT	Information on radwaste management is extensively exchanged on an international level. This has not led to a uniform management system in the various countries. This paper compares radwaste management in the Netherlands with other countries.
KEYWORDS	WASTE MANAGEMENT: international.
LOCATION	
REFERENCE	
AUTHOR	McConnell, D.B. (compiler).
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Ltd.
TITLE	RAPPORT ANNUEL 1984 SUR LE PROGRAMME CANADIEN DE GESTION DES DECHETS DE COMBUSTIBLE NUCLEAIRE.
PUBLISH	Whiteshell Nuclear Research Establishment. Pinawa, Manitoba. April 1986. 143 p.
DATE	86/04/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	NFW 2.2-20-10
AUTHOR	Behrens, Matthew
TYPE	media
ORGANIZATION	
TITLE	REACTING TO ATOMIC RISKS.
PUBLISH	NOW Magazine, Toronto, May, 1988, 3pp.
DATE	88/05/04
ABSTRACT	Article about the controversy over nuclear waste disposal siting that exists between communities and the nuclear industry. Also reviews The Eleventh Hour (the report on radioactive waste by the House of

KEYWORDS	Commons Environment Committee) with comments from various observers.
LOCATION	WASTE MANAGEMENT:
REFERENCE	anne
AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	REACTOR WASTE MANAGEMENT RESEARCH PROGRAM: 1986-199
PUBLISH	1987. 18 p.
DATE	87/00/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Rosinger, E.L.J/; Hancox, W.T.
TYPE	
ORGANIZATION	
TITLE	RECENT DEVELOPMENTS IN RADIOACTIVE WASTE MANAGEMENT CANADA.
PUBLISH	
DATE	88/03/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Rusche, B.C. (DOE, Washington, DC. Office of Civilian Radioactive Waste Management)
TYPE	govt
ORGANIZATION	Societe Francaise D'Energie Nucleaire, Paris, (France)
TITLE	RECENT DEVELOPMENTS IN RADIOACTIVE WASTE MANAGEMENT THE UNITED STATES OF AMERICA.
PUBLISH	p. 39-51. Recod '87. Nuclear Fuel Reprocessing and Waste Management Vol. 1. Paris, France. Societe Francaise D'Energie Nucleaire, 1987. 492 p.
DATE	87/00/00
ABSTRACT	A short background description of the nuclear fuel cycle in the United States is given. It includes a monitored retrievable storage, a geologic repository
KEYWORDS	and a transportation system for moving the wastes from nuclear power reactors to the MRS and to a repository
LOCATION	WASTE MANAGEMENT: transport, geologic disposal.
REFERENCE	
AUTHOR	
TYPE	
ORGANIZATION	Societe Francaise D'Energie Nucleaire, Paris, (France)
TITLE	RECOD 87. NUCLEAR FUEL REPROCESSING AND WASTE MANAGEMENT VOL. 1.
PUBLISH	Paris, France. Societe Francaise D'Energie Nucleaire
DATE	1987. 492 p.
ABSTRACT	87/00/00 In the first volume, the proceedings are examined: national programs and policies and international aspects, design and construction of plants and pilot plants, experience in operation and maintenance of reprocessing facilities, waste management, transport

KEYWORDS	and storage of spent fuels and process chemistry.
LOCATION	WASTE MANAGEMENT: international, reprocessing, design
REFERENCE	
AUTHOR	Weisz, Guido; Rubin, Norman
TYPE	assoc
ORGANIZATION	Energy Probe. (Canada).
TITLE	REGULATION OF RADIOACTIVE WASTES.
PUBLISH	Energy Probe, August, 1985
DATE	85/08/00
ABSTRACT	Brief to the Atomic Energy Control Board regarding Consultative Document C-85. Criticizes the AECSB's approach to "consultation"; it is impossible to adequately consult without full release of information. Concern is expressed about AECSB reliance on some outdated data on health effects, doses, etc. leading to concern that AECSB is not adequately protecting public health or the environment.
KEYWORDS	WASTE MANAGEMENT: regulations.
LOCATION	Energy Probe, 225 Brunswick Ave. Toronto, Ont. M5S 2
REFERENCE	anne
AUTHOR	Wagstaff, K.P
TYPE	acad
ORGANIZATION	
TITLE	REGULATORY CRITERIA FOR THE DISPOSAL OF RADIOACTIVE WASTES.
PUBLISH	Conference Proceedings, 2nd International Conference Radioactive Waste Management. September 7-11, 1986.
DATE	456-460.
ABSTRACT	86/00/00
KEYWORDS	WASTE MANAGEMENT: regulations.
LOCATION	
REFERENCE	
AUTHOR	Weinlander, W.
TYPE	
ORGANIZATION	Societe Francaise D'Energie Nucleaire, Paris, (France)
TITLE	REPROCESSING AND WASTE MANAGEMENT IN THE FEDERAL REPUBLIC OF GERMANY.
PUBLISH	P. 17-27. Recod '87. Nuclear Fuel Reprocessing and Waste Management. Vol. 1. Paris, France. Societe Francaise D'Energie Nucleaire, 1987. 492 p.
DATE	87/00/00
ABSTRACT	An integrated back end fuel cycle concept has been developed over the past few years in the FRG including all activities concerning the reprocessing of spent nuclear fuel, disposal of radioactive waste and related steps like transport, interim storage and conditioning.
KEYWORDS	WASTE MANAGEMENT: reprocessing, transport.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	
TITLE	RESEARCH AND DEVELOPMENT RELATED TO THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS, JANUARY 1-MARCH 31,

PUBLISH	1984.
DATE	LANL Report 10154-PR. Feb. 1985. 126 p.
ABSTRACT	85/02/00 The contributions of LANL to the Nevada Nuclear Waste Storage Investigations Project are reported for the second quarter of 1984. R & D activities addressed geochemistry of tuff as a host medium for radioactive waste disposal.
KEYWORDS	WASTE MANAGEMENT: geologic disposal.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Ministry of Energy, Mines and Resources.(Canada).
TITLE	RESPONSE OF THE GOVERNMENT OF CANADA TO THE REPORT OF THE STANDING COMMITTEE ON ENVIRONMENT AND FORESTRY, "HIGH-LEVEL RADIOACTIVE WASTE IN CANADA: THE ELEVEN HOUR".
PUBLISH	Supply and Services, Canada, M22-107/1988, Ottawa, June, 1988, 16pp.
DATE	88/06/00
ABSTRACT	Contains Canadian Government's responses to the report and recommendations of the Standing Committee on Environment and Forestry. Disagrees with some of the committee's key recommendations.
KEYWORDS	WASTE MANAGEMENT: policy and administration.
LOCATION	Canadian Government Publishing Centre, Supply and Services Canada, Ottawa, K1A 0S9
REFERENCE	anne
AUTHOR	Hlastead, R.J.; Wise, M.; Evans, T.J.
TYPE	govt/acad
ORGANIZATION	Radioactive Waste Review Board. (USA); University of Wisconsin, WI (USA).
TITLE	RETHINKING THE NUCLEAR WASTE PROGRAM: LESSONS LEARNED FROM THE CRYSTALLINE REPOSITORY PROJECT.
PUBLISH	Presented at Waste Management '88. Tucson, AZ. March 1988. 23 p.
DATE	88/03/03
ABSTRACT	This paper recommends that major changes in the US federal nuclear waste program be made to restore state, Indian tribe, and public confidence, in the event that a new geological repository siting is needed.
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	NFW 2.2-20-19
AUTHOR	Howe, D.B.; Aldrich, R.C.; Shay, R.S.; Voigt, L.J.
TYPE	priv/govt
ORGANIZATION	Rockwell International Corp. WA (USA).
TITLE	ROCKWELL HANFORD OPERATIONS EFFLUENTS AND SOLID WASTE BURIALS DURING CALENDAR YEAR 1986.
PUBLISH	July 1987. 170 p.
DATE	87/07/00
ABSTRACT	The quantities of solid, liquid or gaseous wastes buried or discharged during calendar year 1986 are monitored and reported in this document.
KEYWORDS	WASTE MANAGEMENT: waste characterization.
LOCATION	

REFERENCE

AUTHOR	Illi, H.
TYPE	govt
ORGANIZATION	Physikalisch-Technische Bundesanstalt, (FRG).
TITLE	SAFETY ANALYSES FOR THE PLANNED KONRAD REPOSITORY.
PUBLISH	Kerntechnik. Sep. 1987. V. 51(2) p. 91-97.
DATE	87/09/00
ABSTRACT	During the operational as well as the post-operation phase of a repository for radioactive wastes, objectives have to be kept in order to protect man a environment against damage due to ionizing radiation Safety analyses of the Konrad Repository are describ in this report.
KEYWORDS	WASTE MANAGEMENT: safety analysis.

LOCATION REFERENCE

AUTHOR	Rawles, B.A.
TYPE	govt
ORGANIZATION	Battelle Memorial Institute. OH (USA).
TITLE	SALT REPOSITORY PROJECT INFORMATION SYSTEMS DESCRIPTION.
PUBLISH	July 1987. 53 p.
DATE	87/07/00
ABSTRACT	This report provides a detailed description of the evolving integrated data management system that will meet the needs of the project durng site characterization and the subsequent licensing proces
KEYWORDS	WASTE MANAGEMENT: siting, licensing.
LOCATION REFERENCE	

AUTHOR	
TYPE	govt
ORGANIZATION	
TITLE	SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FO THE QUARTER 1 JULY - 30 SEPTEMBER, 1984.
PUBLISH	Battelle Memorial Inst. Report ONWI-9-84-4. 1984. 97
DATE	84/00/00
ABSTRACT	Technical accomplishments during the third quarter o 1984 on the commercial nuclear waste management programs under the direction of the DOE Salt Repository Project Office and the Office of Nuclear Waste Isolation are reported.
KEYWORDS	WASTE MANAGEMENT: geologic disposal, salt.
LOCATION REFERENCE	

AUTHOR	Bush, R.P.
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria)
TITLE	SELECTION OF STRATEGIES FOR THE BACK END OF THE NUCL FUEL CYCLE IN THE UNITED KINGDOM.
PUBLISH	Proceedings of an International Symposium on the Bac End of the Nuclear Fuel Cycle: Strategies and Option Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987. p. 183-197.
DATE	87/05/00
ABSTRACT	The paper identifies the technical aspects of the th

main options for the management of spent thermal reactor fuel in the UK. Disposal and delayed or immediate reprocessing; the requirements for the treatment of thermal and fast reactor fuel; and sum up the pressures and trends in reprocessing as shown in current research.

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT: reprocessing.

AUTHOR

Schmitt, R.E.; Gramatte, W.; Rudolph, G.; Dirks, F.; Kunz, W.

TYPE

ORGANIZATION

Deutsches Atomforum E.V., Bonn, Germany, F.R.; Kerntechnische Gesellschaft E.V., Bonn, Germany, (F.R.).

TITLE

SOLIDIFICATION OF TRITIUM-CONTAINING WATERS ON A TECHNICAL SCALE FOR THE PRODUCTION OF HOOPS FOR FINAL STORAGE. PT.2 OPTIMIZING PROCESSING AND WATER CONTENT (in German)

PUBLISH

P. 465-468. Annual Meeting on Nuclear Technology '87 Proceedings. Session 4: Fuel Cycle and Waste Processing. 1987. 829 p.

DATE

87/00/00

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

WASTE MANAGEMENT:

AUTHOR

Landsman, S.D.

TYPE

priv

ORGANIZATION

Pacific Northwest Lab. WA (USA).

TITLE

SOLVING HIGH-LEVEL WASTE DISPOSAL PROBLEMS.

PUBLISH

December 1987. 5 p.

DATE

87/12/00

ABSTRACT

Techniques developed for disposing of high-level waste from a hot cell proved to be highly successful in reducing the radiation exposure of the workers involved.

KEYWORDS

LOCATION

REFERENCE

WASTE MANAGEMENT: occupational exposure.

AUTHOR

Roberts, L.E.J. (UKAEA Atomic Energy Research Establishment, Harwell. Directorate).

TYPE

ORGANIZATION

British Association for the Advancement of Science, London (UK).

TITLE

SOLVING THE PROBLEM NOBODY WANTS.

PUBLISH

January 1987. 8 p.

DATE

87/01/00

ABSTRACT

The management of radioactive waste in the United Kingdom is examined. A description is given of the properties of radioactive wastes, relevant to waste management.

KEYWORDS

LOCATION

REFERENCE

WASTE MANAGEMENT:

AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	govt SPENT FUEL AND RADIOACTIVE WASTE INVENTORIES, PROJECTIONS, AND CHARACTERISTICS. DOE Report RW-0006. Sept 1984. 319 p. 84/09/00 Inventories and characteristics of commercial spent fuels and both commercial and DOE radioactive wastes were compiled through Dec. 31, 1983. Future waste an spent fuel to be generated over the next 37 years an characteristics of these materials are examined. WASTE MANAGEMENT: waste characterization.
KEYWORDS LOCATION REFERENCE	
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Nortz, K.J. govt ORNL SPENT FUEL AND RADIOACTIVE WASTE: AN INTEGRATED DATA BASE OF INVENTORIES, PROJECTIONS, AND CHARACTERISTIC (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE). Waste Management Conference 1984. Tucson, AZ (USA). March 11-15, 1984. V. 1, p. 163-168. 84/03/00 The Integrated Data Base Program provides DOE data o spent fuel and radioactive waste inventories, projections, and characteristics. The program is entering its fifth year, and major accomplishments a outlined.
KEYWORDS LOCATION REFERENCE	WASTE MANAGEMENT: waste characterization.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH	Wilkinson, W.L.; assoc International Atomic Energy Agency. Vienna (Austria) SPENT FUEL MANAGEMENT STRATEGY IN THE UNITED KINGDOM Proceedings of an International Symposium on the Bac End of the Nuclear Fuel Cycle: Strategies and Option Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987. p. 33-39.
DATE ABSTRACT	87/05/00 The spent fuel management strategy for commercial reactors, Magnox and AGR, in the United Kingdom is summarized.
KEYWORDS LOCATION REFERENCE	WASTE MANAGEMENT:
AUTHOR TYPE	Van Luik, A.E.; Apted, M.J.; Bailey, W.J. (and other

ORGANIZATION
TITLE

Pacific Northwest Lab. WA (USA).
SPENT NUCLEAR FUEL AS A WASTE FORM FOR GEOLOGIC
DISPOSAL: ASSESSMENT AND RECOMMENDATIONS ON DATA AND
MODELLING NEEDS.

PUBLISH
DATE
ABSTRACT

September 1987. 271 p.
87/09/00

This study assesses the status of knowledge pertinent
to evaluating the behavior of spent nuclear fuel as
waste form in geologic disposal systems and provides
background information that can be used by the DOE to
address the information needs that pertain to
compliance with applicable standards and regulations
WASTE MANAGEMENT: regulations, modelling.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Bjurstrom, S.
assoc

STATUS OF THE SWEDISH NUCLEAR WASTE MANAGEMENT PROGRAM
Proceedings of the Symposium on Waste Management.
Tucson, Arizona. Feb. 28 - March 3, 1988. Vol. II -
High-level Wastes and General Interest. p. 11-18.
88/03/00

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE

Faussat, A. (CEA Agence Nationale pour la Gestion des
Dechets Radioactifs, 75-Paris, FR).
govt

PUBLISH
DATE
ABSTRACT

STORING, MANAGING, MONITORING RADIOACTIVE WASTES. (in
French)
Rev. Energ. November 1987. V. 38(397) P. 580-587.
87/11/00

Radioactive waste management consists of neutralizing
it with relation to the environment during the time
when it represents a potential danger.

KEYWORDS

WASTE MANAGEMENT: monitoring, disposal and storage
alternatives.

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Bartlett, J.W.
priv

STRATEGIC MANAGEMENT OF HLW REPOSITORY PROJECTS. WAS
MANAGEMENT '84.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Proceedings of the Symposium on Waste Management,
Volume 1. March 11-15, 1984. p. 647-649.
84/00/00

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION

Ryhaenen, V.H.; Peltonen, E.K.; Mikkola, I.T.H.
assoc
International Atomic Energy Agency. Vienna (Austria)

TITLE	STRATEGY FOR SPENT FUEL MANAGEMENT IN A SMALL NUCLEAR POWER PROGRAMME.
PUBLISH	Proceedings of an International Symposium on the Back End of the Nuclear Fuel Cycle: Strategies and Options. Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987.
DATE	87/00/00
ABSTRACT	The strategy of spent fuel management of the Olkiluoto power plants owned by the Teollisuuden Voima Oy is presented.
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Harmon, K.M.; Lakey, L.T.
TYPE	priv
ORGANIZATION	Pacific Northwest Lab. WA (USA).
TITLE	SUMMARY OF NATIONAL AND INTERNATIONAL FUEL CYCLE AND RADIOACTIVE WASTE MANAGEMENT PROGRAMS.
PUBLISH	1984. 110 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT: international.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	
TITLE	SWEDISH NUCLEAR HIGH-LEVEL WASTE PROGRAM: KEY RESEARCH AREAS.
PUBLISH	Nuclear Waste Management Symposium. Stockholm (Sweden) Sept. 9-11, 1985. p. 9.
DATE	85/09/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	acad
ORGANIZATION	
TITLE	SWISS HLW RESEARCH PROGRAMME: KEY RESEARCH.
PUBLISH	Nuclear Waste Management Symposium. Stockholm (Sweden) Sept. 9-11, 1985. p. 49.
DATE	85/09/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	acad/media
ORGANIZATION	
TITLE	SYNROC: SECOND GENERATION IMMOBILIZATION OF RADWASTE
PUBLISH	Nuclear Spectrum. September 1986. V. 2(2) p. 22-27.
DATE	86/09/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	

REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

assoc
International Atomic Energy Agency. Vienna (Austria)
SYSTEM ANALYSIS FOR RADWASTE MANAGEMENT.
IAEA V. 29(1) p. 45-51.
87/00/00
WASTE MANAGEMENT: engineering.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

assoc
SYSTEM STUDY OF ALTERNATIVE WASTE MANAGEMENT
TECHNOLOGIES. MAIN VOLUME.
ORNL Report TR-86/31. 1986.
86/00/00
This volume contains several pertinent papers on
alternative waste management techniques.
WASTE MANAGEMENT: other alternatives.

AUTHOR
TYPE
ORGANIZATION
TITLE

assoc
Technical Advisory Committee. (CAN).
TECHNICAL ADVISORY COMMITTEE ON THE NUCLEAR FUEL WAS
MANAGEMENT PROGRAM, SEVENTH ANNUAL REPORT. (COPIES IN
FRENCH AND ENGLISH).

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Hamilton, Canada, 1986. 111 p.
86/00/00
WASTE MANAGEMENT:
NFW 2.2-20-4e; NFW 2.2-20-4f

AUTHOR
TYPE
ORGANIZATION
TITLE

assoc
Technical Advisory Committee. (CAN).
TECHNICAL ADVISORY COMMITTEE ON THE NUCLEAR FUEL WAS
MANAGEMENT PROGRAM, SIXTH ANNUAL REPORT. (COPIES IN
FRENCH AND ENGLISH).
Hamilton, Canada, 1985. 128 p.
85/00/00

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT:
NFW 2.2-20-3e; NFW 2.2-20-3f

AUTHOR
TYPE
ORGANIZATION
TITLE

govt
Atomic Energy of Canada Ltd.
TECHNICAL ADVISORY COMMITTEE ON THE NUCLEAR FUEL WAS
MANAGEMENT PROGRAM, FIFTH ANNUAL REPORT. (COPIES IN
FRENCH AND ENGLISH).
Atomic Energy of Canada Ltd. Technical Advisory
Committee Report 5. July 1984. 115 p.
84/07/00

PUBLISH
DATE

ABSTRACT	The Canadian Nuclear Fuel Waste Management Program includes continuing R&D of technologies, transport, treatment, and disposal.
KEYWORDS	WASTE MANAGEMENT: disposal and storage alternatives, transport.
LOCATION REFERENCE	NFW 2.2-20-2e; NFW 2.2-20-2f
AUTHOR TYPE ORGANIZATION TITLE	govt Atomic Energy of Canada Ltd. TECHNICAL ADVISORY COMMITTEE ON THE NUCLEAR FUEL WAS MANAGEMENT PROGRAM, EIGHTH ANNUAL REPORT. (COPIES IN FRENCH AND ENGLISH).
PUBLISH	Atomic Energy of Canada Ltd. Technical Advisory Committee Report 8. July 1987. 103 p.
DATE	87/07/00
ABSTRACT KEYWORDS LOCATION REFERENCE	WASTE MANAGEMENT: NFW 2.2-20-5e; NFW 2.2-20-5f
AUTHOR	
TYPE ORGANIZATION TITLE	govt Atomic Energy of Canada Ltd. TECHNICAL ADVISORY COMMITTEE ON THE NUCLEAR FUEL WAS MANAGEMENT PROGRAM, NINTH ANNUAL REPORT.
PUBLISH	Atomic Energy of Canada Ltd. Technical Advisory Committee Report 9. July 1988. 95 p.
DATE	88/07/00
ABSTRACT KEYWORDS LOCATION REFERENCE	WASTE MANAGEMENT: NFW 2.2-20-6
AUTHOR	Parker, F.L.; Kaspersen, R.E.; Andersson, T.L.; Park S.A. (Beijer Inst., Stockholm, Sweden)
TYPE ORGANIZATION	acad National Board for Spent Nuclear Fuel, Stockholm, (Sweden).
TITLE	TECHNICAL AND SOCIO-POLITICAL ISSUES IN RADIOACTIVE WASTE DISPOSAL 1986. VOL.1A. SAFETY, SITING AND INTERIM STORAGE. APPENDICES: COUNTRIES AND INTERNATIONAL ORGANIZATIONS.
PUBLISH	November 1987. 207 p.
DATE	87/11/00
ABSTRACT	Review of radioactive waste management activities an goals in the Federal Republic of Germany, France, Sweden, Switzerland, United Kingdom, USA, European Communities, IAEA, NEA, ICRP and UNSCEAR.
KEYWORDS LOCATION REFERENCE	WASTE MANAGEMENT: international.
AUTHOR TYPE ORGANIZATION TITLE	govt Atomic Energy Control Board. (Canada). THE BASIS FOR EXEMPTING THE DISPOSAL OF CERTAIN RADIOACTIVE MATERIALS FROM LICENSING.
PUBLISH	Consultative Document C-85. May 6, 1985.
DATE	85/05/06

ABSTRACT

KEYWORDS
LOCATION
REFERENCEAUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

The reasoning behind exemption of certain radioactive materials from licensing requirements is outlined in this paper.

WASTE MANAGEMENT: licensing.

NFW 2.2-20-1

Dixon, R.S.

govt

Atomic Energy of Canada Limited.

THE CANADIAN NUCLEAR FUEL WASTE MANAGEMENT PROGRAM.

1986. 30 p.

86/00/00

KEYWORDS
LOCATION
REFERENCEAUTHOR
TYPE
ORGANIZATION
TITLEPUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT:

McConnell, D.B.

govt

Atomic Energy of Canada Limited.

THE CANADIAN NUCLEAR FUEL WASTE MANAGEMENT PROGRAM.

1984 ANNUAL REPORT.

1986. 107 p.

86/00/00

WASTE MANAGEMENT:

NFW 2.2-20-24

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Rummery, T.E.; Rosing, E.

govt

Atomic Energy of Canada Limited.

THE CANADIAN NUCLEAR FUEL WASTE MANAGEMENT PROGRAM.

AECL -8374.19 p.

84/00/00

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

govt

Energy, Mines and Resources. (Canada).

THE MANAGEMENT OF CANADA'S NUCLEAR WASTES.

Report EP 77-6. August 31, 1977. 62 p.

77/08/31

This report was commissioned by the Dept. of Energy Mines and Resources to provide the government and the public of Canada with the views of an independent expert group on the subject of nuclear fuel waste disposal. Recommendations are included.

WASTE MANAGEMENT:

KEYWORDS
LOCATION
REFERENCE

NFW 2.2-20-13

AUTHOR
TYPE
ORGANIZATION
TITLE

Rubin, N.

priv

THE MISMANAGEMENT OF CANADA'S NUCLEAR WASTE MANAGEMENT PROGRAM.

PUBLISH	Submission to the House of Commons Standing Committee on Environment and Forestry, Feb. 3, 1987. 10 p.
DATE	87/02/03
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT: public participation.
LOCATION REFERENCE	NFW 2.2-20-16
AUTHOR	Wieser, Anne
TYPE	assoc
ORGANIZATION	Concerned Citizens of Manitoba, Inc.(Canada).
TITLE	THE NUCLEAR WASTE ISSUE IN MANITOBA.
PUBLISH	Winnipeg, October, 1985, 12pp.
DATE	85/10/00
ABSTRACT	Transcript of presentation to the Manitoba Environmental Council discussing the nuclear waste issues from a citizens and environmental perspective
KEYWORDS	WASTE MANAGEMENT: public participation.
LOCATION REFERENCE	CCM, 204 Arnold Ave. Winnipeg, Manitoba, R3L 0W5 anne
AUTHOR	Johnston, P.D.
TYPE	govt
ORGANIZATION	Department of the Environment. (UK).
TITLE	THE ROLE OF QUANTITATIVE OPTIMIZATION TECHNIQUES IN ASSESSMENT OF BEST PRACTICABLE ENVIRONMENTAL OPTIONS FOR RADIOACTIVE WASTE MANAGEMENT.
PUBLISH	Alara: Principles, Practice and Consequences. Proceedings of the Symposium on Alara - Quantitative optimization techniques for radiation protection in the Nuclear Industry, held by the Institution of Nuclear Engineers, London, 18 September 1986. Bristol (UK). Adam Higler. 1987. 160 p. p. 118-125.
DATE	87/00/00
ABSTRACT	The interpretation of the best practicable environmental option and Alara concepts in radioactive waste management is given. The quantitative analysis of the financial and radiological impacts of different options for waste management is discussed.
KEYWORDS	WASTE MANAGEMENT: economics, analytical techniques.
LOCATION REFERENCE	
AUTHOR	Runyon, L.C.;
TYPE	govt
ORGANIZATION	National Conference of State Legislatures. CO (USA).
TITLE	THE ROLE OF STATE LEGISLATORS IN PUBLIC EDUCATION ON THE HIGH-LEVEL WASTE PROGRAM.
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dep 1987. p. 153-154.
DATE	87/00/00
ABSTRACT	The role of state legislators is discussed in reference to the Nuclear Waste Policy Act of 1982.
KEYWORDS	WASTE MANAGEMENT: legislation, public participation.

LOCATION REFERENCE	
AUTHOR	Weis, M. (Vereinigung Deutscher Elektrizitaeswerke E.V., Frankfurt, Germany, F.R.)
TYPE	
ORGANIZATION	
TITLE	THE SITUATION OF NUCLEAR WASTE MANAGEMENT IN THE FEDERAL REPUBLIC OF GERMANY.
PUBLISH	At. Strom. May-June 1988. V. 34(3) P. 90-94.
DATE	88/05-06/00
ABSTRACT	The situation of nuclear waste management is explain referring to achievements and to future tasks, and also against the background of current events that have put a spotlight on the transnuclear management and the reprocessing facility in Mol/Belgium.
KEYWORDS	WASTE MANAGEMENT:
LOCATION REFERENCE	
AUTHOR	Nilsson, L.B.
TYPE	govt/acad
ORGANIZATION	
TITLE	THE SWEDISH KBS-3 CONCEPT AND PROGRAM FOR CONTINUED & D WORK. WASTE MANAGEMENT '84.
PUBLISH	Proceedings of the Symposium on Waste Management, Volume 1. March 11-15, 1984. p. 77-84.
DATE	84/00/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	THE UNIQUE DANGERS OF NUCLEAR POWER: AN OVERVIEW.
PUBLISH	Ecologist, 1986. V. 16(4). p. 147-161.
DATE	86/00/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT: risk analysis.
LOCATION REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	THE UNITED STATES HIGH-LEVEL NUCLEAR WASTE MANAGEMEN PROGRAM.
PUBLISH	Energy Progress. September 1986. V. 6(3) p. 18.
DATE	86/09/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION REFERENCE	

AUTHOR	Anon.
TYPE	
ORGANIZATION	
TITLE	TIMETABLE PROPOSED FOR SWEDEN FOR FINAL DISPOSAL OF NUCLEAR WASTE.
PUBLISH	Canadian Environmental Control Newsletter, March 5, 1987. 335: 2781-2782.
DATE	87/00/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Merz, E.
TYPE	
ORGANIZATION	Kernforschungsanlage Juelich G.M.B.H., Germany, F.R.
	Inst. fuer Chemische Technologie der Nuklearen Entsorgung.
TITLE	TREATMENT OF RADIOACTIVE WASTE IN THE NUCLEAR FUEL CYCLE. (in German)
PUBLISH	March 1987. 173 p.
DATE	87/03/00
ABSTRACT	The report explains the various methods and steps of radioactive waste treatment in the nuclear fuel cycl for interested readers who are not familiar with the subject. Subjects such as reprocessing and direct ultimate disposal of spent fuel elements are explained.
KEYWORDS	WASTE MANAGEMENT: reprocessing, disposal and storage alternatives.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria)
TITLE	TREATMENT, CONDITIONING AND DISPOSAL OF IODINE-129.
PUBLISH	Vienna, Austria. IAEA. 1987. 84 p. Technical Reports Series. No. 276.
DATE	87/00/00
ABSTRACT	An advisory group meeting on treatment, conditioning and disposal of iodine-129 was held in Vienna to review the various techniques collectively and to ensure the dissemination of current up-to-date developments, having regard for the radiological hazards.
KEYWORDS	WASTE MANAGEMENT:
LOCATION	
REFERENCE	
AUTHOR	Barnert, E.; Brinkmann, U.; Bruecher, H.; Kroth, K.; Niephaus, D.
TYPE	
ORGANIZATION	Kernforschungsanlage Juelich G.M.B.H., Germany, (F.R)
TITLE	ULTIMATE DISPOSAL OF HTR SPENT FUEL ELEMENTS IN A BOREHOLE-PREPARED SITE. (in German)
PUBLISH	P. 161-177. HTGR Fuel Cycle. Proceedings of the Stat Seminar Covering the Subject Fields: HTRG Fuel Eleme Development - HTR Graphite Development - HTRG Waste Management. August 1987. 195 p.

DATE	87/08/00
ABSTRACT	The concept of the FRG for disposal of radioactive waste that considerably develops heat is to place it in vertical boreholes in salt rock
KEYWORDS	WASTE MANAGEMENT: salt, disposal and storage alternatives.
LOCATION REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Nuclear Energy Agency. (USA).
TITLE	UPDATE ON WASTE MANAGEMENT POLICIES AND PROGRAMS.
PUBLISH	Nuclear Waste Bulletin No. 2. OECD. Feb. 1988.
DATE	88/02/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT: policy and administration.
LOCATION REFERENCE	
AUTHOR	Cooley, C.R.; Strahl, J.F.
TYPE	govt
ORGANIZATION	Office of Policy and Outreach, Office of Civilian Radioactive Waste Management, US Department of Energy, Washington, DC (USA).
TITLE	US COOPERATION WITH OTHER NATIONS IN NUCLEAR WASTE DISPOSAL.
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dept 1987. p. 129-136.
DATE	87/00/00
ABSTRACT	The major areas of cooperation in high-level radioactive waste disposal between the US and other nations and international organizations are identified, focussing on those activities associated with the US Department of Energy. The various means which activities are identified and implemented are discussed.
KEYWORDS	WASTE MANAGEMENT: international.

LOCATION REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	US REASSURES CANADA ON NUCLEAR DUMP SITES.
PUBLISH	Globe & Mail - Metro Edition, Jan. 24, 1986. p. A1.
DATE	86/01/24
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT:
LOCATION REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	US WILL NOT STORE NUCLEAR WASTE ALONG BORDER, CARNEY PROMISED.
PUBLISH	Montreal Gazette, Sept 12, 1985. p. B5.
DATE	85/09/12

ABSTRACT
KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

media

US, CANADA INK PACT TO PROBE NUCLEAR WASTE.
Halifax Chronicle Herald, March 24, 1986. p. 4.
86/03/24

WASTE MANAGEMENT:

AUTHOR

Maartensson, M. (Studsvik Energiteknik AB, Nykoeping (Sweden))
Jones, P.M.S.(Surrey Univ., Guildford (UK); UKAEA Headquarters, London) (ed.).

TYPE
ORGANIZATION
TITLE
PUBLISH

WASTE MANAGEMENT (OF RADIOACTIVE WASTES).
P. 131-156. Nuclear Power: Policy and Prospects.
Chichester (UK). John Wiley & Sons. 1987. 433 p.
87/00/00

DATE
ABSTRACT

The sources of radioactive wastes and the nature of radioactivity are explained. The methods of waste management are then reviewed. For this the radioactive wastes are divided according to their final disposal requirements.

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT: waste characterization.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Roellig, K.; Born, H.P.; Ragoss, H.; Storch, S.
Kernforschungsanlage Juelich G.M.B.H., Germany, (F.R)
WASTE MANAGEMENT FOR HTR.
P. 109-134. HTGR Fuel Cycle. Proceedings of the Stat Seminar Covering the Subject Fields: HTRG Fuel Eleme Development - HTR Graphite Development - HTRG Waste Management. August 1987. 195 p.

DATE
ABSTRACT

87/08/00
The waste management concept set up for the AVR reac and their planned successors states direct ultimate disposal to spent fuel elements to be the only metho envisaged.

KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE

priv
BE, Inc. Barnwell, SC (USA).
WASTE MANAGEMENT PROGRAM: TECHNICAL PROGRESS REPORT, JULY-DECEMBER 1985.

PUBLISH
DATE
ABSTRACT

December 1987. 43 p.
87/12/00
This report provides information on operations and development programs relating to the management of

KEYWORDS
LOCATION
REFERENCE

radioactive wastes at the Savannah River Plant.
Information on environmental and safety assessments
waste from development, and process and equipment
development are reported for long-term waste
management.
WASTE MANAGEMENT: safety analysis.

AUTHOR
TYPE
ORGANIZATION
TITLE

priv
BE, Inc. Barnwell, SC (USA).
WASTE MANAGEMENT PROGRAM: TECHNICAL PROGRESS REPORT,
JAN.-JUNE 1985.
December 1987. 32 p.
87/12/00

PUBLISH
DATE
ABSTRACT

This report provides information on operations and
development programs relating to the management of
radioactive wastes at the Savannah River Plant.
Information on environmental and safety assessments,
waste form development, and process and safety
equipment development are reported for long-term was

KEYWORDS
LOCATION
REFERENCE

management.
WASTE MANAGEMENT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Deutsches Atomforum E.V., Bonn, Germany, (F.R.).
WAYS AND MEANS OF WASTE MANAGEMENT.
October 1987. 7 p. Analysen. No. 19.
87/10/00

Any decision for or against the different nuclear wa
management methods has to be judged by the following
three criteria: 1) agreement with the needs of the
environment and posterity. 2) Safeguards against
diversion and abuse of fissionable material. 3) soci
and industrial costs.

KEYWORDS

WASTE MANAGEMENT: socio-economic and ecological
impacts, safety analysis.

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

govt
Atomic Energy of Canada Ltd.
WHO'S WHO OF THE CANADIAN NUCLEAR FUEL WASTE MANAGEM
PROGRAM.

PUBLISH

Whiteshell Nuclear Research Establishment, Atomic
Energy of Canada Ltd. 1984. (annual).
84/00/00

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

WASTE MANAGEMENT:

NFW 2.2-20-17

AUTHOR
TYPE
ORGANIZATION
TITLE

Heidenreich-Kirschenmann, Ann (ed)
assoc
World Information Service on Energy (WISE).
WISE NEWSCOMMUNIQUE, COMPILATION OF ARTICLES ON NUCL

PUBLISH	WASTE FROM JAN. 1985 TO AUGUST, 1986.
DATE	WISE, August, 1986, 64pp.
ABSTRACT	86/08/00 Collection of articles from Britain, France, Germany Holland, Sweden, Japan, U.S., Australia, Canada on various aspects of nuclear waste management and disposal. Articles are from newsletters of safe energy groups, nuclear industry publications and dai newspapers.
KEYWORDS	WASTE MANAGEMENT: international.
LOCATION	WISE Amsterdam, P.O.Box 5627, 1007 AP Amsterdam, The Netherlands.
REFERENCE	anne

AUTHOR	Rehbein, Jorn; Brockes, Detlev
TYPE	assoc
ORGANIZATION	Regenbogenfraktion, Grun-Alternatives Europaisches Bundnis (European Green Alternatives)
TITLE	WOHIN MIT DEM ATOMMULL? ENDLAGER IN EUROPA. (in German)
PUBLISH	Regenbogenfraktion, Bonn, September 1988, 22pp.
DATE	88/09/00
ABSTRACT	Report on the nuclear waste situation in Europe, including the Trans-Nuklear scandal and internationa considerations.
KEYWORDS	WASTE MANAGEMENT: international.
LOCATION	
REFERENCE	anne

AUTHOR	
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria)
TITLE	WORLD STATUS OF RADIOACTIVE WASTE MANAGEMENT.
PUBLISH	April 1986. V. 28(1) p. 5.
DATE	86/04/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT: international.
LOCATION	
REFERENCE	

AUTHOR	Pazdernik, L.; Long, B.; Bouchard, D.
TYPE	acad
ORGANIZATION	Universite de Quebec a Trois-Rivieres.
TITLE	ETUDE DES SEDIMENTS DU FLEUVE SAINT-LAURENT, SECTEUR GENTILLY, QUEBEC: RAPPORT PRELIMINAIRE, 1ERE PHASE: COMPTE-RENDU DES CAMPAGNES DE TERRAINS DE 1976-1977
PUBLISH	Trois Rivieres: Groupe Thermopol, Department de Chimie-Biologie, Universite du Quebec a Trois-Rivieres, 1977. 138 p.
DATE	77/00/00
ABSTRACT	
KEYWORDS	WASTE MANAGEMENT: disposal and storage alternatives, thermodynamics.
LOCATION	
REFERENCE	

AUTHOR	Vaillancourt, G.
TYPE	acad
ORGANIZATION	Universite de Quebec a Trois-Rivieres.
TITLE	INFLUENCE DE L'APPORT THERMIQUE ORGINAIRE DE LA CENTRALE NUCLEAIRE GENTILLY SUR QUELQUES PARAMETRES

PUBLISH

PHYSIQUES, CHIMIQUES, BACTERIOLOGIQUES ET SUR QUELQ
GASTEROPODES ET LAMELLIBRANCES DU FLEUVE
SAINT-LAURENT.

Trois Rivieres: Groupe Thermopol, Department de

DATE

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

Chimie-Biologie, Universite du Quebec a
Trois-Rivieres, 1973. 202 p.

73/00/00

WASTE MANAGEMENT: disposal and storage alternatives,
thermodynamics.

AUTHOR

TYPE

ORGANIZATION

TITLE

PUBLISH

DATE

ABSTRACT

Technical Advisory Committee to Atomic Energy of Can
Limited on the Nuclear Fuel Waste Management Program
govt

Atomic Energy of Canada Limited

NINTH ANNUAL REPORT OF THE TECHNICAL ADVISORY COMMIT
ON THE NUCLEAR FUEL WASTE MANAGEMENT PROGRAM.

88/07/00

An independent assessment of the scientific and
technical progress made within the Canadian Nuclear
Fuel Waste Management Program during the period June
1987 to June 1988.

WASTE MANAGEMENT:

KEYWORDS

LOCATION

REFERENCE

NFW 2.2-20-25

AUTHOR

TYPE

ORGANIZATION

TITLE

PUBLISH

DATE

ABSTRACT

Lura Group

priv

Lura Group- Environmental Management Strategists

AN ISSUE PAPER ON THE MANAGEMENT OF NUCLEAR FUEL WAS
(bilingual).

1989, 51 p.

89/04/00

Provides a basic background of: the Nuclear Fuel Was
problem, the EARP process, disposal technology issue
and impacts and implementation issues.

WASTE MANAGEMENT:

KEYWORDS

LOCATION

REFERENCE

NFW 2.2-20-26

AUTHOR

TYPE

ORGANIZATION

TITLE

PUBLISH

DATE

ABSTRACT

Acres International Limited

priv

Acres International Limited

A REVIEW OF VARIOUS APPROACHES BEING UNDERTAKEN BY
INDUSTRIALIZED NATIONS FOR THE MANAGEMENT AND DISPOS
OF HIGH-LEVEL NUCLEAR WASTE.

1989, 154 p.

89/04/00

The purpose of this report is to provide a reference
document to the EARP Review Panel which summarizes t
status of high-level nuclear waste management progra
in other countries. A review of the Canadian
high-level waste program is made so that comparisons

[illegible]

PPPP	RRRR	TTTTT	;;
P P	R R	T	;;
P P	R R	T	
PPPP	RRRR	T	;;
P	R R	T	;;
P	R R	T	;
P	R R	T	;

[illegible]

AUTHOR	Lyon, R.B.; Johnson, L.H.
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Limited.
TITLE	A REVIEW OF PROGRESS IN THE CANADIAN NUCLEAR FUEL WA MANAGEMENT PROGRAM.
PUBLISH	13 p. (1985). Reprinted from Materials Research Soci Symposia Proceedings 50 p. 57-69, 1985.
DATE	85/00/00
ABSTRACT	
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	
AUTHOR	SECOR, Inc.
TYPE	priv
ORGANIZATION	
TITLE	AN ASSESSMENT OF THE ATOMIC ENERGY CONTROL BOARD CONSULTATION PROCESS.
PUBLISH	INFO-0123. 33 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Atomic Energy Control Board. (Canada).
TITLE	ANNUAL REPORT 1985-86.
PUBLISH	Energy, Mines and Resources. 1986. 40 p.
DATE	86/00/00
ABSTRACT	
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	NFW 2.2-21-1
AUTHOR	Venditti, R.; Rolandi, G.
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria)
TITLE	BACK END OF THE NUCLEAR FUEL CYCLE: ITALIAN POLICY A PROGRAMMING.
PUBLISH	Proceedings of an International Symposium on the Bac End of the Nuclear Fuel Cycle: Strategies and Option Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987.
DATE	87/05/00
ABSTRACT	Reprocessing of thermal spent fuel from commercial power stations is generally considered to be a strategic option consistent with Italian participati in the common European effort to develop fast breede reactors. The Italian policy and program are present
KEYWORDS	here.
LOCATION	POLICY AND ADMINISTRATION: volume reduction.
REFERENCE	

AUTHOR	Curry, A.; Haighton, A.P. (Central Electricity Generating Board, Manchester, UK. NDT Applications Centre).
TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	CEGB DEVELOPMENT OF WASTE IMMOBILIZATION PROCESSES. Nucl. Eur. March 1987. V.7(3-4) P.41. 87/03/00 The CEGB is developing solutions to the problems posed both by its own wastes and the evolving UK requirements for a disposal policy. POLICY AND ADMINISTRATION: waste management.
KEYWORDS LOCATION REFERENCE	
AUTHOR TYPE ORGANIZATION TITLE	Anon. govt CIVILIAN RADIOACTIVE WASTE DISPOSAL. HEARING BEFORE COMMITTEE ON ENERGY AND NATURAL RESOURCES, UNITED STATES SENATE, 100TH CONGRESS, FIRST SESSION JULY 16 AND 17, 1987.
PUBLISH	Washington, DC. Government Printing Office. 1987. 62 p.
DATE ABSTRACT	87/00/00 Each bill was drafted with the recognition that implementation of the nuclear waste policy act of 1980 had been a failure.
KEYWORDS LOCATION REFERENCE	POLICY AND ADMINISTRATION: legislation.
AUTHOR TYPE ORGANIZATION TITLE	Christ, B. govt Nuklear-Chemie und Metallurgie (FRG). COMPLYING WITH THE CONDITIONS FOR ULTIMATE STORAGE IN KERN-ANLAGEN UND INDUSTRIAL PROCESS QUALIFICATION.
PUBLISH	Kerntechnik. Sept. 1987. V. 51(2) p. 108-112.
DATE ABSTRACT	87/09/00 The fulfillment of the requirements for the ultimate storage of waste packages has to be guaranteed partly by the waste producer and partly by the conditioner. The points of intersection are to be defined in every case.
KEYWORDS	POLICY AND ADMINISTRATION: disposal and storage alternatives.
LOCATION	
REFERENCE	
AUTHOR TYPE ORGANIZATION TITLE PUBLISH	Feates, H.J. priv IBC Technical Services Ltd. London, (UK). CONTROL OF EFFLUENT DISCHARGES AND THEIR CONSEQUENCE V.2 P. 1-6. The future of Nuclear Power After Sizewell B. V.2 Environmental and Safety Issues. Proceedings of the 1987 conference on the Future of Nuclear Power After Sizewell B., 21-23 Sept. 1987, Parklane Hotel, London, UK.
DATE ABSTRACT	87/00/00 The role of Her Majesty's inspectorate of Pollution

KEYWORDS	implementing the government's policy of radioactive waste management is explained.
LOCATION	POLICY AND ADMINISTRATION:
REFERENCE	
AUTHOR	Ahlstroem, P.E. (Swedish Nuclear Fuel and Waste Management Co., Stockholm).
TYPE	
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria)
TITLE	CURRENT STATUS OF THE SWEDISH WASTE DISPOSAL PROGRAM
PUBLISH	P. 125-133. Spent Fuel Management: Current Status and Prospects of the IAEA Programme. Proceedings of an Advisory Group Meeting on Spent Fuel Management held in Vienna, 11-13 March 1986. May 1987. 170 p.
DATE	87/05/00
ABSTRACT	Direct disposal without reprocessing is the main strategy for management of spent nuclear fuel in Sweden.
KEYWORDS	POLICY AND ADMINISTRATION: disposal and storage alternatives.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	
TITLE	DEPARTMENT OF ENERGY'S INITIAL EFFORT TO IMPLEMENT THE NUCLEAR WASTE POLICY ACT OF 1982.
PUBLISH	GAO Report RCED-85-27. January 10, 1985. 96 p.
DATE	85/01/10
ABSTRACT	Progress made by DOE in implementing major initial actions required by the National Waste Policy Act of 1982 is acknowledged.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	
AUTHOR	Kennedy, W.R. Jr.
TYPE	
ORGANIZATION	
TITLE	Pacific Northwest Lab. WA (USA). DEVELOPMENT OF AN INTERNATIONAL BRC (BELOW REGULATOR CONCERN) LIMIT.
PUBLISH	July 1987. 14 p.
DATE	87/07/00
ABSTRACT	This paper describes the assessment methods, presents the generic results expressed in terms of the limit concentrations of selected radionuclides in municipal waste, and provides a comparison with recent regulatory efforts in the United States for considering selected wastes being below regulatory concern.
KEYWORDS	POLICY AND ADMINISTRATION: regulations.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Nuclear Regulatory Commission, Washington, DC (USA). Div. of Safeguards and Transportation.
TITLE	DIRECTORY OF CERTIFICATES OF COMPLIANCE FOR RADIOACTIVE

PUBLISH
DATE
ABSTRACT

MATERIALS PACKAGES: SUMMARY REPORT OF NRC APPROVED
QUALITY ASSURANCE PROGRAMS FOR RADIOACTIVE MATERIAL
PACKAGES.

November 1987. 140 p.

87/11/00

This directory contains a summary report of the US
Nuclear Regulatory Commission's summary report of NRC
approved quality assurance programs (Volume 3) for
radioactive material packages effective October 1,
1987.

KEYWORDS
LOCATION
REFERENCE

POLICY AND ADMINISTRATION:

AUTHOR
TYPE
ORGANIZATION

govt

Nuclear Regulatory Commission, Washington, DC (USA).
Div. of Safeguards and Transportation.

TITLE

DIRECTORY OF CERTIFICATES OF COMPLIANCE FOR RADIOACT
MATERIALS PACKAGES: CERTIFICATES OF COMPLIANCE.

PUBLISH
DATE
ABSTRACT

November 1987. 140 p.

87/11/00

This directory contains a summary report of the US
Nuclear Regulatory Commission's summary report of NRC
approved quality assurance programs (Volume 2) for
radioactive material packages effective October 1,
1987.

KEYWORDS
LOCATION
REFERENCE

POLICY AND ADMINISTRATION:

AUTHOR
TYPE
ORGANIZATION
TITLE

govt

Nuclear Regulatory Commission, Washington, DC (USA).
DIRECTORY OF CERTIFICATES OF COMPLIANCE FOR RADIOACT
MATERIALS PACKAGES: SUMMARY REPORT OF NRC APPROVED
PACKAGES.

PUBLISH
DATE
ABSTRACT

November 1987, 602 p.

87/11/00

This directory contains a summary report of the US
Nuclear Regulatory Commission's approved packages
(Volume 1).

KEYWORDS
LOCATION
REFERENCE

POLICY AND ADMINISTRATION:

AUTHOR
TYPE
ORGANIZATION

Kaipainen, O.

TITLE
PUBLISH
DATE
ABSTRACT

DISPOSAL OF NUCLEAR WASTE. (in Finnish)

Ats Ydintek. 1987. P.19.

87/00/00

Last april, Teollisuuden Voima Oy chose five areas i
Finland as possible places for final disposal of
high-level waste in the Finnish bedrock.

KEYWORDS
LOCATION
REFERENCE

POLICY AND ADMINISTRATION: geologic disposal.

AUTHOR
TYPE

govt

ORGANIZATION	State of Wisconsin. (USA).
TITLE	ENROLLED JOINT RESOLUTION.
PUBLISH	Senate Joint Resolution, Madison, April ,1986, 2pp.
DATE	86/04/02
ABSTRACT	State of Wisconsin Joint Assembly-Senate Resolution opposing the establishment of nuclear waste repositories in the State.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	State Capitol, P.O.Box 7863, Madison WI 53707-7863
REFERENCE	anne
AUTHOR	Anon.
TYPE	govt
ORGANIZATION	
TITLE	ESTABLISHING A NUCLEAR WASTE POLICY REVIEW COMMISSION AND OFFICE OF THE NUCLEAR WASTE NEGOTIATOR, AND FOR OTHER PURPOSES. HOUSE OF REPRESENTATIVES, 100TH CONGRESS, 1ST SESSION, NOV. 5, 1987.
PUBLISH	Washington, DC. Government Printing Office. 1987. 31
DATE	Report 100-425, Part 1. 87/00/00
ABSTRACT	H.R. 2967 is also known as the nuclear waste policy amendments act of 1987. The purpose of this is to restore direction and credibility to the program for siting repositories for the safe and permanent disposal of spent nuclear fuel and high-level radioactive waste.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	
TITLE	FUTURE OF NUCLEAR WASTE.
PUBLISH	Bridges (May-June 1987) 4(4):17-18.
DATE	87/05/00
ABSTRACT	
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	
AUTHOR	Vlasov, V.I.; Kedrovskij, O.L.; Nikiforov, A.S.; Polyakov, A.S.
TYPE	govt/assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria)
TITLE	HANDLING OF LIQUID RADIOACTIVE WASTE FROM THE CLOSED NUCLEAR FUEL CYCLE.
PUBLISH	Proceedings of an International Symposium on the Back End of the Nuclear Fuel Cycle: Strategies and Options. Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, p. 109-116, 11-15 May 1987.
DATE	87/00/00
ABSTRACT	Aspects of Soviet policy and practice in handling high-level radioactive waste produced during the reprocessing of spent nuclear fuel are presented.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	

AUTHOR
TYPE
ORGANIZATION
TITLE

Anon.

PUBLISH
DATE
ABSTRACT

HIGH-LEVEL NUCLEAR WASTE ISSUES. HEARINGS BEFORE THE
SUBCOMMITTEE ON NUCLEAR REGULATION OF THE COMMITTEE
ENVIRONMENT AND PUBLIC WORKS, UNITED STATES SENATE,
100TH CONGRESS, 1ST SESSION, APRIL 23; JUNE 2, 3, AND
18, 1987.
Washington, DC. Government Printing Office. 198. 83.
87/00/00
There were 41 witnesses testifying over a period of
four days during an examination of nuclear waste

KEYWORDS
LOCATION
REFERENCE

policy, which has turned out to be a controversial
program as it focusses on waste repository sites.
POLICY AND ADMINISTRATION: siting.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT

Johnson, T.C.; Chang, K.C.; Jungling, T.L.; Person,
L.S.; Peterson, C.H.; Voglewede, J.C.; Wick, E.A.
(Nuclear Regulatory Commission, Washington, DC).
govt
Argonne National Lab. 11 (USA).
HIGH-LEVEL WASTE PACKAGE LICENSING CONSIDERATIONS FOR
EXTRAPOLATING TEST DATA.
P. 3-13. Scientific Basis for Nuclear Waste Management
X. Pittsburgh, PA (USA). Materials Research Society.
1987.
87/00/00
Programs intended to provide supporting information
the high-level radioactive waste (HLW) repository
program must consider the licensing requirements and
the technical issues involved with extrapolation of
short-term test data to periods of up to 10 000 year
The licensing requirements of the Nuclear Regulatory
Commission (NRC), and the issues the NRC staff
considers important for the development of predictive
methods, are described.
POLICY AND ADMINISTRATION: licensing.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT

Einstatt, L.R.; Chapman, C.C.; Pope, J.M.; Maestas,
(West Valley Nuclear Services, Co., Inc., West Valley
NY); Post, R.G. (ed.).

HLW COMPLIANCE PLAN FROM A WASTE PRODUCER'S
PERSPECTIVE.
P. 327-334. Waste Management '87: Waste Isolation in
the US, Technical Programs and Public Education.
Tucson, AZ. University of Arizona Nuclear Engineering
Dept. 1987.
87/00/00
In 1980 the US Congress passed the West Valley
Demonstration Project Act which directs the US DOE to
solidify the high-level waste stored at West Valley
into a form suitable for disposal.
POLICY AND ADMINISTRATION: legislation.

KEYWORDS
LOCATION
REFERENCE

AUTHOR TYPE	Issacs, T.H.
ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	IMPLEMENTATION OF THE NUCLEAR WASTE POLICY AMENDMENT ACT OF 1988. Proceedings of the Symposium on Waste Management. Tucson, Arizona. Feb 3-March 28, 1988. V. II - High-level Waste and General Interest. p. 7-10. 88/03/00 POLICY AND ADMINISTRATION:
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Oversby, V.M. govt Lawrence Livermore National Lab. CA (USA). IMPORTANT RADIONUCLIDES IN HIGH-LEVEL NUCLEAR WASTE DISPOSAL: DETERMINATION USING A COMPARISON OF THE US EPA AND NRC REGULATIONS. Nucl. Chem. Waste Management. (1987). V. 7(2) p. 149-162. 87/00/00 The performance objective for the engineered barrier system given in the NRC regulations is used to determine a maximum release rate for each significant radionuclide for a generic repository containing PWR spent fuel. These are compared to the US EPA's regulations concerning radionuclide release.
KEYWORDS LOCATION REFERENCE	POLICY AND ADMINISTRATION: regulations.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Hamilton, Minard assoc Radioactive Waste Campaign. (USA). INDEPENDENT OVERSIGHT OF THE DEPARTMENT OF ENERGY. The Waste Paper, New York, Spring, 1988, 1p. 88/00/00 Calls for an independent agency to have regulatory a oversight powers over the Department of Energy, in light of strong public mistrust of the department.
KEYWORDS LOCATION REFERENCE	POLICY AND ADMINISTRATION: RWC, 625 Broadway, New York, N.Y. 10012 anne
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	INTERNATIONAL ORGANIZATIONS AND AGREEMENTS. Nuclear Law. Dec. 1984. n. 34. p. 34-50. 84/12/00 Conventions and agreements entered into by international organizations concerning nuclear power

KEYWORDS	technology are summarized.
LOCATION	POLICY AND ADMINISTRATION: international.
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	Central Electricity Generating Board, London (UK). International Atomic Energy Agency. Vienna (Austria).
TITLE	IRRADIATED FUEL MANAGEMENT IN THE UNITED KINGDOM.
PUBLISH	P. 141-147. Spent Fuel Management: Current Status and Prospects of the IAEA Programme. Proceedings of an Advisory Group Meeting on Spent Fuel Management held in Vienna, 11-13 March 1986. May 1987. 170 p.
DATE	87/05/00
ABSTRACT	All aspects connected with the national programme on storage, reprocessing, transport and future activities in this subject field are presented.
KEYWORDS	POLICY AND ADMINISTRATION: reprocessing, transport.
LOCATION	
REFERENCE	
AUTHOR	Arthur, R.A.J.
TYPE	
ORGANIZATION	
TITLE	IS NUCLEAR WASTE SET TO GO UNDERGROUND?
PUBLISH	Water Waste Treat. February 1987. V.30(2) P.8,10,12.
DATE	87/02/00
ABSTRACT	The paper examines the development of the radioactive waste disposal programme in the UK, from the 1976 "Flowers Report" to recent projects aimed at solving waste problems.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	
AUTHOR	Anderson, E.G.; Callen, R.C..
TYPE	assoc
ORGANIZATION	National Association of Regulatory Utility Commissioners, MI (USA).
TITLE	ISSUES TO BE RESOLVED FOR THE SUCCESSFUL IMPLEMENTATION OF THE NUCLEAR FUEL WASTE POLICY ACT: THE VIEWPOINT OF THE NATIONAL ASSOCIATION OF REGULATORY UTILITY COMMISSIONERS.
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dept 1987. p. 33-38.
DATE	87/00/00
ABSTRACT	The Regulatory Utility Commissioners of the nation have formed through their organization, the National Association of Regulatory Utility Commissioners

(NARUC) program to monitor, assess and advise the
federal administration on the subject. This paper
outlines areas of the program which the NARUC
considers critically important to be revised and
strengthened lest the present difficulties totally

KEYWORDS	overcome progress toward a disposal solution.
LOCATION	POLICY AND ADMINISTRATION: regulations.
REFERENCE	
AUTHOR	Browning, R.E.; Wade, P.D.
TYPE	govt
ORGANIZATION	US Nuclear Regulatory Commission. (USA).
TITLE	ISSUES TO BE RESOLVED FOR THE SUCCESSFUL IMLEMENTATI OF THE NWPA - REGULATORY VIEWPOINT.
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dep 1987. p. 43-46.
DATE	87/00/00
ABSTRACT	This paper presents the regulatory perspective on issues to be resolved for the successful implementation of the Nuclear Waste Policy Act of 1982. From the regulatory viewpoint, the key issues are, achieving credibility and efficiency in the licensing process.
KEYWORDS	POLICY AND ADMINISTRATION: licensing.
LOCATION	
REFERENCE	
AUTHOR	Strohl, J.
TYPE	govt
ORGANIZATION	Wisconsin Radioactive Waste Review Board. (USA).
TITLE	ISSUES TO BE RESOLVED FOR THE SUCCESSFUL IMPLEMENTAI OF THE NUCLEAR FUEL WASTE POLICY ACT: A STATE LEGISLATOR'S POINT OF VIEW.
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dep 1987. p. 31-32.
DATE	87/00/00
ABSTRACT	The DOE should develop a good working relationship w the State Legislators and seek their input on policy decisions concerning the repository. This paper describes the viewpoint of a state legislator.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	
AUTHOR	Silverman, D.J. (Newman and Holtzinger, P.C., Washington, D.C.) Post, R.G. (ed.)
TYPE	
ORGANIZATION	
TITLE	LEGAL AND REGULATORY PROBLEMS ASSOCIATED WITH THE GENERATION OF MIXED HAZARDOUS AND RADIOACTIVE WASTE. P. 705-710. Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ. Univ. of Arizona Nuclear Engineering Dep 1987.
PUBLISH	
DATE	87/00/00
ABSTRACT	The paper briefly describes the history and current regulatory status of the issue, identifies the basic RCRA requirements that are likely to be imposed upon mixed waste generators, identifies the principal regulatory difficulties that mixed waste generators

KEYWORDS
LOCATION
REFERENCE

may encounter, and suggests some solutions to those problems.

POLICY AND ADMINISTRATION: regulations.

AUTHOR
TYPE
ORGANIZATION
TITLE

Rabben, C.
acad

Muenster Univ., Germany, (F.R.).
LEGAL PROBLEMS INVOLVED IN RADIOACTIVE WASTE
MANAGEMENT. WITH PARTICULAR REGARD TO LEGAL
PROTECTION. (in German)

PUBLISH

Koeln, Germany, F.R.. Heymanns. 1988. 222 p. Studie
zum Oeffentlichen Wirtschaftsrecht. V.2.

DATE

88/00/00

ABSTRACT

The book discusses problems arising in the field of
tension between the requirements of statute law and
those of radioactive waste management, particularly
considering procedural law.

POLICY AND ADMINISTRATION: legislation.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

LEGISLATIVE AND REGULATORY ACTIONS.

Nuclear Law. Dec. 1984. n. 34. p.6-28.

84/12/00

Recently implemented legislation and regulatory
activities concerning the nuclear fuel cycle and
radiation protection are surveyed worldwide.

POLICY AND ADMINISTRATION: international.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE

ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

MANAGING NUCLEAR WASTE.

Electric Perspectives. Fall 1984. p. 2-8.

84/09/00

The progress and implications of US DOE's
implementation of the Nuclear Waste Policy Act of 19
are discussed.

POLICY AND ADMINISTRATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

govt

MISSION PLAN FOR THE CIVILIAN RADIOACTIVE WASTE
MANAGEMENT PROGRAM: OVERVIEW AND CURRENT PROGRAM
PLANS.

PUBLISH

DOE Report RW-0005. April 1984. V. 1-2. 421 p.

DATE

84/04/00

ABSTRACT

Waste acceptance schedules and program capabilities
DOE in accordance with the Nuclear Waste Policy Act
1982 are outlined.

POLICY AND ADMINISTRATION: waste management.

KEYWORDS

LOCATION REFERENCE	
AUTHOR	Elliot, T.A.; King, R.A. (Manchester Univ. (UK). Ins of Science and Technology).
TYPE	acad
ORGANIZATION	
TITLE	NUCLEAR WASTE - A NEW INDUSTRY.
PUBLISH	Chem. Eng. (London). (May 1987). (no.436) p. 45-46.
DATE	87/05/00
ABSTRACT	Broad parallels are drawn between the management of radioactive waste disposal and chemical engineering practice, with particular reference to low-level waste. Overall safety and cost benefit analysis, typical of the engineering appraisal of a process plan, is touched on with reference to pre-treatment the waste.
KEYWORDS	POLICY AND ADMINISTRATION: engineering.
LOCATION REFERENCE	
AUTHOR	Anon.
TYPE	
ORGANIZATION	
TITLE	NUCLEAR WASTE POLICY ACT AMENDMENTS ACT OF 1987. INTRODUCED IN THE UNITED STATES SENATE, 100TH CONGRESS, 1ST SESSION, SEPT. 1, 1987.
PUBLISH	Washington, DC (USA). Government Printing Office. 19 233 p. Report 100-152.
DATE	
ABSTRACT	87/09/01 The purpose of the bill is to redirect the program f the management and disposal of spent nuclear fuel an high-level radioactive waste under the nuclear waste policy act of 1982.
KEYWORDS	POLICY AND ADMINISTRATION: legislation.
LOCATION REFERENCE	
AUTHOR	Anon.
TYPE	govt
ORGANIZATION	
TITLE	NUCLEAR WASTE POLICY ACT: CURRENT STATUS AND FUTURE OPTIONS. HEARING BEFORE THE SUBCOMMITTEE ON ENERGY RESEARCH AND PRODUCTION OF THE COMMITTEE ON SCIENCE AND TECHNOLOGY, US HOUSE OF REPRESENTATIVES, 99TH CONGRESS, 2ND SESSION, JULY 22, 1986, NO. 154.
PUBLISH	Washington, DC. Government Printing Office. 1987. 11 p.
DATE	87/00/00
ABSTRACT	Witnesses at a hearing to examine compliance with th 1982 Nuclear Waste Policy Act in light of DOE's decision that DOE is not bound to the requirement of recommending three repository sites.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	General Accounting Office, Washington, DC.
TITLE	NUCLEAR WASTE: INSTITUTIONAL RELATIONS UNDER THE

PUBLISH
DATE
ABSTRACT

NUCLEAR WASTE POLICY ACT OF 1982.

1987. 60 p.

87/00/00

The Nuclear Waste Policy Act of 1982 requires the DOE to construct the nation's first permanent deep underground nuclear waste repository and stipulates that DOE is to consult and cooperate with states and Indian tribes to promote their confidence in the safety of the disposal program.

KEYWORDS

POLICY AND ADMINISTRATION: socio-economic and ecological impacts, native.

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

govt

General Accounting Office, Washington, DC (USA).
NUCLEAR WASTE: QUARTERLY REPORT ON DOE'S NUCLEAR WASTE PROGRAM AS OF DEC. 31, 1986.

PUBLISH

1987. 23 p.

DATE
ABSTRACT

87/00/00

Activities of the DOE's nuclear waste program for the quarter ending Dec. 31, 1986 included.

KEYWORDS
LOCATION
REFERENCE

POLICY AND ADMINISTRATION:

AUTHOR
TYPE
ORGANIZATION
TITLE

govt

General Accounting Office, Washington, DC (USA).
NUCLEAR WASTE: QUARTERLY REPORT ON DOE'S NUCLEAR WASTE PROGRAM AS OF SEPTEMBER 30, 1986.

PUBLISH
DATE
ABSTRACT

1987. 20 p.

87/00/00

This fact sheet provides the status of the DOE's nuclear waste program activities for the quarter ending Sept. 1986.

KEYWORDS
LOCATION
REFERENCE

POLICY AND ADMINISTRATION:

AUTHOR
TYPE
ORGANIZATION
TITLE

govt

General Accounting Office, Washington, DC (USA).
NUCLEAR WASTE: QUARTERLY REPORT ON DOE'S NUCLEAR WASTE PROGRAM AS OF MARCH 31, 1987.

PUBLISH
DATE
ABSTRACT

1987. 24 p.

87/00/00

The Nuclear Waste Policy Act established a national program and policy for safely storing, transporting, and disposing of nuclear waste. This fact sheet provides the status of the DOE's program activities.

KEYWORDS
LOCATION
REFERENCE

POLICY AND ADMINISTRATION:

AUTHOR
TYPE
ORGANIZATION
TITLE

govt

NUCLEAR WASTE: STATUS OF DOE'S IMPLEMENTATION OF THE NUCLEAR WASTE POLICY ACT.

TITLE
PUBLISH

POLICY ON THE DECOMMISSIONING OF NUCLEAR FACILITIES.
Consultative Document C-90, Proposed Regulatory Poli

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Statement, Ottawa, AECB, January 24, 1985.
85/01/24

14

POLICY AND ADMINISTRATION:

AUTHOR
TYPE
ORGANIZATION

govt
US DOE Office of Civilian Radioactive Waste Manageme
Washington, D.C. (USA).

TITLE
PUBLISH
DATE
ABSTRACT

PROGRAM CHANGE CONTROL PROCEDURE: REVISION 1.
Feb. 1989. 43 p.
89/02/00

The Program Change Control Procedure is part of the
Office of Civilian Radioactive Waste Management
(OCRWM) Program Management System, as described in
the PMS Manula. The PCCB may develop additional
procedures, as necessary, to supplement this
procedure. The PMS Manual identifies "managing for
quality" as a major goal in the management of OCRWM
activities to achieve and maintain a high level of
quality in all the program level controlled document
are maintained and updated consistent with that goal
POLICY AND ADMINISTRATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION

govt
US DOE Office of Civilian Radioactive Waste Manageme
Washington, DC (USA).

TITLE

QUARTERLY REPORT ON PROGRAM COST AND SCHEDULE: SECON
QUARTER, FY 1987. (CONTAINS GLOSSARY)

PUBLISH
DATE
ABSTRACT

1987. 40 p.
87/00/00

This report provides a summary of the cost and sched
performance for the civilian radioactive waste
management program. Performance data are presented f
each of the major program elements.

POLICY AND ADMINISTRATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Hancox, W.T.; Isaac, H.N.; Howieson, J.

govt

Atomic Energy of Canada Limited.

RADIOACTIVE WASTE MANAGEMENT IN CANADA.

15 p. (1986). Proceedings of an International Sympos
on the Siting, Design and Construction of Undergroun
Repositories for Radioactive Wastes Organized by the
International Atomic Energy Agency and held in

DATE	Hanover, p. 19-34, 3-7 March 1986.
ABSTRACT	86/00/00
KEYWORDS	POLICY AND ADMINISTRATION: international.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Centro de Informacoes Nucleares, Rio de Janeiro, (Brazil).
TITLE	RADIOACTIVE WASTE MANAGEMENT- V.2. OVERVIEW OF MAIN COUNTRIES AS FOR NUCLEAR FUEL CYCLE. (in Portuguese)
PUBLISH	1987. 78 p.
DATE	87/00/00
ABSTRACT	In this second part, the program of waste management non-military origin of the following countries: USA, UK, France, Canada, F.R.G. and Japan, is presented.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Centro de Informacoes Nucleares, Rio de Janeiro, (Brazil).
TITLE	RADIOACTIVE WASTE MANAGEMENT- V.1. OVERVIEW OF TREATMENT AND DISPOSAL. (in Portuguese)
PUBLISH	1987. 54 p.
DATE	87/00/00
ABSTRACT	The state of the art for each stage and activities correlated to the nuclear fuel cycle, describing the activities of main countries of the world in this ar is presented.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Nuclear Energy Agency. 5 - Paris (France).
TITLE	RECENT ACTIVITIES ON SPENT FUEL MANAGEMENT.
PUBLISH	P. 153-154. Spent Fuel Management: Current Status an Prospects of the IAEA Programme. Proceedings of an Advisory Group Meeting on Spent Fuel Management held in Vienna, 1-13 March 1986. May 1987. 170 p.
DATE	87/05/00
ABSTRACT	Activity of OECD/NEA in the field of spent fuel management is outlined.
KEYWORDS	POLICY AND ADMINISTRATION: waste management.
LOCATION	
REFERENCE	
AUTHOR	Poch, David I.
TYPE	assoc
ORGANIZATION	Energy Probe. (Canada).
TITLE	REGULATION OF NUCLEAR TECHNOLOGY IN CANADA; THE ATO ENERGY CONTROL BOARD.

PUBLISH	Energy Probe, Toronto, September, 1984, 7pp.
DATE	84/09/00
ABSTRACT	Criticizes practices and processes of AECB and concludes that the Board is an unsuitable decision-making body: The values inherent in its decisions are not acknowledged, roles of regulator and promotor of nuclear industry are confused, public is denied access to information, lack of attention to opinions and information outside of the industry.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	Energy Probe, 225 Brunswick Ave. Toronto, M5S 2M6
REFERENCE	anne
AUTHOR	Anon.
TYPE	
ORGANIZATION	
TITLE	REVIEW OF NATIONAL POLICIES AND PROGRAMS (WASTE MANAGEMENT).
PUBLISH	Nucl. Eng. Int. December 1987. V.32(401) P. 50-56.
DATE	87/12/00
ABSTRACT	A survey is presented of the national policies of 15 countries on dealing with radioactive wastes arising from nuclear power programmes.
KEYWORDS	POLICY AND ADMINISTRATION: international.
LOCATION	
REFERENCE	
AUTHOR	Meyers, S.
TYPE	govt
ORGANIZATION	Office of Radiation Programs, EPA. (USA).
TITLE	ROLE OF THE ENVIRONMENTAL AGENCY IN WASTE MANAGEMENT
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dep 1987. p. 15-16.
DATE	87/00/00
ABSTRACT	This paper describes the EPA's important role in formulating the general policies for disposal of radioactive wastes.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	
AUTHOR	Wang, D.
TYPE	assoc
ORGANIZATION	International Atomic Energy Agency. Vienna (Austria)
TITLE	SOME ASPECTS OF THE BACK END OF THE NUCLEAR FUEL CYCLE IN CHINA.
PUBLISH	Proceedings of an International Symposium on the Back End of the Nuclear Fuel Cycle: Strategies and Options. Jointly organized by the International Atomic Energy Agency and the Nuclear Energy Agency of the OECD and held in Vienna, 11-15 May 1987. p. 59-67.
DATE	87/05/00
ABSTRACT	The policy concerning the back end of the nuclear fuel cycle in China requires reprocessing of the spent fuel from LWRs, removal of over 99.9 % of the actinides in HLW, and burial of the properly conditioned HLW and alpha wastes deep underground in the suitable geological formations.
KEYWORDS	POLICY AND ADMINISTRATION: disposal and storage

LOCATION REFERENCE	alternatives, volume reduction.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH	Ospina, C. (Switzerland). assoc International Atomic Energy Agency. Vienna (Austria) SPENT FUEL MANAGEMENT IN SWITZERLAND. P. 135-139. Spent Fuel Management: Current Status and Prospects of the IAEA Programme. Proceedings of an Advisory Group Meeting on Spent Fuel Management held in Vienna, 1-13 March 1986. May 1987. 170 p.
DATE ABSTRACT	87/05/00 The current spent fuel management and disposal programme including contracts for reprocessing of all spent fuel generated up to 1990 is presented. The plan for intermediate storage of spent nuclear fuel away from the nuclear power plants, as well as the storage of vitrified high-level wastes is given.
KEYWORDS LOCATION REFERENCE	POLICY AND ADMINISTRATION:
AUTHOR TYPE ORGANIZATION TITLE PUBLISH	govt/assoc Department of Energy, Washington, DC (USA). International Atomic Energy Agency. Vienna (Austria) SPENT FUEL MANAGEMENT IN THE UNITED STATES OF AMERICA P. 149-152. Spent Fuel Management: Current Status and Prospects of the IAEA Programme. Proceedings of an Advisory Group Meeting on Spent Fuel Management held in Vienna, 11-13 March 1986. May 1987. 170 p.
DATE ABSTRACT	87/05/00 Future plans for spent fuel management, as established by U.S. law, call for continued utility management of their spent fuel until a federal repository or monitored retrievable storage facility is established
KEYWORDS LOCATION REFERENCE	POLICY AND ADMINISTRATION: retrieval.
AUTHOR TYPE ORGANIZATION TITLE	assoc International Atomic Energy Agency. Vienna (Austria) SPENT FUEL MANAGEMENT: CURRENT STATUS AND PROSPECTS THE IAEA PROGRAMME. PROCEEDINGS OF AN ADVISORY GROUP MEETING ON SPENT FUEL MANAGEMENT, HELD IN VIENNA, 11-13 MARCH 1986.
PUBLISH DATE ABSTRACT	May 1987. 170 p. 87/05/00 This report, which is a result of the second IAEA Advisory Group meeting, is intended to provide the reader with an overview of the status of spent fuel management programmes in a number of leading countries.
KEYWORDS LOCATION REFERENCE	POLICY AND ADMINISTRATION: international.
AUTHOR TYPE	Downey, G.L. acad

ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT
KEYWORDS

Virginia Polytechnic Inst & State University. VG (US
STATE DECISION MAKING ON HIGH-LEVEL WASTES: CRITICAL
UNCERTAINTIES IN THE REPOSITORY SITING PROCESS (WAS
POLICIES AND PROGRAMS, HIGH-LEVEL WASTE).
Waste Management Conference 1984. Tucson, AZ (USA).
March 11-15, 1984. V. 1, p. 119-125.
84/03/00
The Nuclear Waste Policy Act of 1982 has provided
states with a substantive role in the repository
siting process without yielding federal control over
the final decision. One possible consequence is the
development of two distinct decision making processes
within the state.
POLICY AND ADMINISTRATION: siting.

Closs, K.D.; Papp, R.

STATUS OF "ENTSORGUNG" IN THE FEDERAL REPUBLIC OF
GERMANY.
Proceedings of the Symposium on Waste Management.
Tucson, Arizona. Feb. 3-March 28, 1988. V. II -
High-level Waste and General Interest. p. 267-273.
88/03/00

POLICY AND ADMINISTRATION:

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

Hancox, W.T.; Isaac, H.N.; Howieson, J.
govt
Atomic Energy of Canada Limited
STATUS OF THE CANADIAN NUCLEAR FUEL WASTE MANAGEMENT
PROGRAMME.
Proceedings of an International Symposium on the Back
End of the Nuclear Fuel Cycle: Strategies and Options
Jointly organized by the International Atomic Energy
Agency and the Nuclear Energy Agency of the OECD and
held in Vienna, p. 15-31, 11-15 May 1987.
87/05/11
POLICY AND ADMINISTRATION: international.

govt

STATUS OF THE DEPARTMENT OF ENERGY'S IMPLEMENTATION
THE NUCLEAR WASTE POLICY ACT OF 1982 AS OF DECEMBER
31, 1984.
GAO Report RCED-85-65. Jan. 31, 1985. 51 p.
85/01/31
Progress made by DOE in implementing the Nuclear Waste
Policy Act of 1982 during the last quarter of 1984 is
reported.
POLICY AND ADMINISTRATION:

AUTHOR	Eastering, J.B. (Div. of Policy and Institutional Planning, Office of Civilian Radioactive Waste Management, U.S. Dept. of Energy, Washington, DC).
TYPE	Dyes, O.; Harhalakis, G.
ORGANIZATION	govt
TITLE	STATUS OF U.S. NUCLEAR WASTE DISPOSAL PROGRAMS.
PUBLISH	P. 27-34. Management of Energy Technology, 1987. New York, NY (USA). American Society of Mechanical Engineers. 1987.
DATE	87/00/00
ABSTRACT	This overview paper describes the organization of programs that will ensure safe and efficient management of nuclear wastes from both civilian and defence activities.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	

AUTHOR	Rometsch, R. (Nationale Genossenschaft fuer die Lagferung Radioaktiver Abafelle, Baden, Switzerland)
TYPE	
ORGANIZATION	
TITLE	SWISS RADWASTE POLICY AND PHILOSOPHY.
PUBLISH	Nucl. Eur. June 1988. V. 8(6-7) P.42.
DATE	88/06/00
ABSTRACT	The national cooperative NAGRA, in which all those responsible for radioactive waste produced in Switzerland joined forces, submitted such a project the authorities in Jan. 1985. It demonstrates by mea of two reference designs both the feasibility and long-term safety of disposal, as well as siting possibilities.
KEYWORDS	POLICY AND ADMINISTRATION: siting, geologic disposal design.
LOCATION	
REFERENCE	

AUTHOR	Neill, R.H.
TYPE	
ORGANIZATION	
TITLE	TEN YEARS OF STATE EVALUATION OF A NUCLEAR WASTE REPOSITORY.
PUBLISH	Proceedings of the Symposium on Waste Management. Tucson, Arizona. Feb 3-March 28, 1988. V. II - High-level Waste and General Interest. p. 377-382.
DATE	88/03/00
ABSTRACT	
KEYWORDS	POLICY AND ADMINISTRATION: disposal and storage alternatives.
LOCATION	
REFERENCE	

AUTHOR	Dixon, R.S.
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Limited.
TITLE	THE CANADIAN NUCLEAR FUEL WASTE MANAGEMENT PROGRAM. SUMMARY OF THE PROGRAM AND PROGRESS TO 1984 DECEMBER
PUBLISH	1986, 36 p.
DATE	86/00/00

ABSTRACT
KEYWORDS
LOCATION
REFERENCE

POLICY AND ADMINISTRATION:

AUTHOR
TYPE
ORGANIZATION
TITLE

acad/media

THE FEDERAL NUCLEAR BUREAUCRACY (THE CITIZENS' NUCLEAR WASTE MANUAL).

PUBLISH

Nuclear Information & Resource Service Report. May 1984. pIV-1 25 p.

DATE
ABSTRACT

84/05/00

The roles played by DOE and NRC in the federal high-level radioactive waste disposal program are explained.

KEYWORDS
LOCATION
REFERENCE

POLICY AND ADMINISTRATION:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

acad

THE NUCLEAR WASTE POLICY ACT.
Resources for the Future Report (Nuclear Imperatives and Public Trust: Dealing with Radioactive Waste.)
1987. p. 195-131.

87/00/00

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

POLICY AND ADMINISTRATION:

AUTHOR

Feates, F.S. (H.M. Chief Inspector of Radioactive Substances, Her Majesty's Inspectorate of Pollution, London).
govt

TYPE
ORGANIZATION
TITLE
PUBLISH

UK POLICY ON RADIOACTIVE WASTES.

Radioact. Waste Manag. Nucl. Fuel Cycle. December 19 V.9(1-3) P. 3-17.

DATE
ABSTRACT

87/12/00

The author discusses the various aspects of government policy relating to radioactive wastes in the UK.

KEYWORDS
LOCATION
REFERENCE

POLICY AND ADMINISTRATION:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Lopez, Garcia, A. (ENRESA, Madrid, Spain).

WASTE MANAGEMENT IN SPAIN.

Nucl. Eur. March 1987. V.7(3-4) P.42-43.

87/03/00

The Spanish parliament has established a state-owned company in charge of nuclear and other radioactive waste management called Empresa Nacional de Residuos Radiactivos (ENRESA). Its aim is management of nuclear and other radwaste produced in Spain in a uniform and safe way for the population and the environment, including management of spent fuel and decommissioning

|of nuclear facilities.

KEYWORDS	POLICY AND ADMINISTRATION: waste management.
LOCATION	
REFERENCE	
AUTHOR	Blowers, Andrew
TYPE	acad
ORGANIZATION	The Open University. (UK).
TITLE	WILL NEW MEXICO DRAW THE SHORT STRAW?
PUBLISH	Environment Now (U.K), No.9, October, 1988, 2pp.
DATE	88/10/00
ABSTRACT	Discusses the political context of the WIPP site in Mexico and the possibility that it may become the on repository site in the U.S.
KEYWORDS	POLICY AND ADMINISTRATION: siting.
LOCATION	
REFERENCE	anne
AUTHOR	
TYPE	govt
ORGANIZATION	U.S. Department of Energy- Office of Civilian Radioactive Waste Management.
TITLE	ANNUAL REPORT TO CONGRESS.
PUBLISH	April 1987. DOE/RW-0144.
DATE	87/04/00
ABSTRACT	An Overview of: Public Interaction, Systems Integration, Geological Repositories, International Activities, etc. by the Office of Civilian Radioactive Waste Management.
KEYWORDS	POLICY AND ADMINISTRATION:
LOCATION	
REFERENCE	
AUTHOR	Ministry of Housing, Physical Planning and Environment
TYPE	govt
ORGANIZATION	Ministry of Housing, Physical Planning and Environment
TITLE	RADIOACTIVE WASTE POLICY IN THE NETHERLANDS- AN OUTLINE OF THE GOVERNMENT'S POSITION.
PUBLISH	Ministry of Housing, Physical Planning and Environment
DATE	84/00/00
ABSTRACT	An outline of the Dutch government's position on the management of radioactive waste. A brief document.
KEYWORDS	POLICY AND ADMINISTRATION: international
LOCATION	
REFERENCE	NFW 2.2-23-1
AUTHOR	
TYPE	assoc
ORGANIZATION	Organization for Economic Cooperation and Development Nuclear Energy Agency.
TITLE	NUCLEAR WASTE MANAGEMENT IN OECD COUNTRIES.
PUBLISH	Paris: OECD-NEA, 1989.
DATE	89/00/00

AUTHOR
TYPE
ORGANIZATION
TITLE

Eitmars, J.D.
govt
Argonne National Lab. 11 (USA).
A METHOD FOR EVALUATING THE EFFECTIVENESS OF SITE
CHARACTERIZATION MEASUREMENTS.

PUBLISH
DATE
ABSTRACT

1987. 10 p.
87/00/00
A quantitative approach for evaluating the effective
characterization measurement activities is developed
illustrated with an example application to hypotheti
measurement schemes at a potential geologic reposito
radioactive waste.

KEYWORDS
LOCATION
REFERENCE

SITING:

AUTHOR
TYPE
ORGANIZATION

govt
Nuclear Waste Projects Office, State of Nevada Agenc
Projects. (USA).

TITLE

A ROLE IN ENVIRONMENTAL COMPLIANCE FOR THE STATE OF
SITE CHARACTERIZATION OF THE PROPOSED HIGH-LEVEL NUC
REPOSITORY SITE AT YUCCA MOUNTAIN, NEVADA.

PUBLISH
DATE
ABSTRACT

NWPO-TR-008-88, Carson City, January 1988, 49pp. plu
88/01/00

The State of Nevada has proposed an environmental ov
program for site characterization due to the large d
evidenced in DOE's own environmental assessments of
Mountain site. An historical overview of DOE compli
measures elsewhere leads to pessimism regarding its
compliance with State environmental laws. Part of t
lies with the agency's self-regulatory jurisdiction.
shares in responsibility for assuring that health, s
environmental protection are achieved in repository
SITING: regulations.

KEYWORDS
LOCATION
REFERENCE

Capitol Complex, Carson City, Nevada 89710
NFW 2.2-22-2

AUTHOR
TYPE
ORGANIZATION
TITLE

Sigmon, E.B. (Oak Ridge Associated Universities, TN)
acad

PUBLISH
DATE
ABSTRACT

ACHIEVING A NEGOTIATED COMPENSATION AGREEMENT IN SIT
CASE.

J. Policy Anal. Manage. Winter 1987. V.6(2) P.170-17
87/00/00

Theoreticians claim that negotiated compensation pla
overcome local resistance to nuclear waste facilitie
Nuclear Waste Policy Act of 1982 gives the DOE consi
flexibility to negotiate with and compensate states
locates waste storage.

KEYWORDS
LOCATION

SITING: economics, policy and administration.

REFERENCE

AUTHOR
TYPE

Furr, J.M.; Mayberry, J.J.; Waite, D.A.
acad

ORGANIZATION	Battelle Memorial Inst., Hereford, TX. Office of Nuclear Isolation.
TITLE	AGRICULTURE-RELATED RADIATION DOSE CALCULATIONS.
PUBLISH	October 1987. 62 p.
DATE	87/10/00
ABSTRACT	Estimates of radiation dose to the public must be made in the identification and qualification process for siting a high-level nuclear waste repository. Specifically considering the ingestion pathway, this paper examines the reliability and adequacy of dose calculations in five stages of data availability and three methods of calculation.
KEYWORDS	SITING: public exposure.
LOCATION	
REFERENCE	
AUTHOR	Keeney, R.L. (Univ. of Southern California, Los Angeles)
TYPE	acad
ORGANIZATION	
TITLE	ANALYSIS OF THE PORTFOLIO OF SITES TO CHARACTERIZE FOR A NUCLEAR REPOSITORY.
PUBLISH	Risk Anal. June 1987. V.7(2) P. 195-218.
DATE	87/06/00
ABSTRACT	The US DOE has selected three sites to characterize for a nuclear waste repository to permanently dispose of nuclear waste. The decision was made without the benefit of an analysis of the portfolio problem. This paper analyzes different portfolios for three sites for simultaneous characterization and for sequential characterization.
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Minnesota Governor's Nuclear Waste Council. (USA).
TITLE	ANALYSIS OF THE SITING PROVISIONS IN THE NUCLEAR WASTE AMENDMENTS ACT OF 1987 AND ITS IMPLICATIONS FOR MINNESOTA.
PUBLISH	St. Paul, 1987?
DATE	87/00/00
ABSTRACT	Concludes that Minnesota is temporarily out of the running for a nuclear waste repository site, but may well come up for consideration again because it has crystalline bedrock geology favoured, and continues to be researched by other countries.
KEYWORDS	SITING: geologic disposal.
LOCATION	
REFERENCE	NFW 2.2-22-10
AUTHOR	Brewer, W.A. (Dept. of Ecology, State of Washington)
TYPE	Post, R.G. (ed.)
ORGANIZATION	govt
TITLE	APPLICATION OF COMMERCIAL EXPLORATION TECHNIQUES TO WASTE SITE SELECTION AND CHARACTERIZATION.
PUBLISH	P. 137-140. Waste Management '87: Waste Isolation in Technical Programs, and Public Education. Tucson, AZ: of Arizona Nuclear Engineering Dept. 1987.
DATE	87/00/00
ABSTRACT	This paper contrasts the USDOE approach with that of the nuclear and petroleum industries, highlighting fundamental differences in philosophy and techniques.

KEYWORDS
LOCATION
REFERENCE

SITING:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

assoc
Badger Safe Energy Alliance, et.al.
ARTICLES ON RADIOACTIVE WASTE SITING.
B.S.E.A, Northern Sun Alliance and Northern Thunder
87/00/00
Newsletter articles about the U.S. Department of Energy
repository siting process in Wisconsin.

KEYWORDS
LOCATION
REFERENCE

SITING:

anne

AUTHOR
TYPE
ORGANIZATION
TITLE

Silver, R.
priv

PUBLISH
DATE
ABSTRACT

CANADIANS BALK AT SELECTING WASTE SITE DESPITE \$300
RESEARCH PROGRAM.
Nuclear Fuel, Vol 13., No. 16, August 8, 1988. p. 5.
88/08/08

KEYWORDS
LOCATION
REFERENCE

SITING:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

assoc
Northern European Nuclear Information Group.
COLLECTION OF NENIG BRIEFING REPORTS.
NENIG, Lerwick, Shetland. May-Nov.1988, 10pp.
88/11/00
Several briefing reports and a backgrounder on NENIG
use of the seabed for nuclear waste disposal; discuss
government examination of sites where parts of the project
welcomed a possible repository; discusses U.K. proposed
nuclear waste and status of European sites.

KEYWORDS
LOCATION
REFERENCE

SITING: marine disposal.
NENIG, 22 Commercial Rd. Lerwick, Shetland, U.K.
anne

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Siegler, David J.; Ruger, Alan
assoc
Great Lakes Indian Fish and Wildlife Commission. (US)
COMMENT ON THE DOE'S DRAFT AREA RECOMMENDATION REPORT
Odanah, Wisc. April, 1986, 124pp.
86/04/00
Criticizes the DARR on processual and substantive issues
especially the standards by which potential sites were
Raises religious, cultural, legal and socio-economic
disqualifying Indian lands as potential sites.
SITING: native, ethics.

KEYWORDS
LOCATION
REFERENCE

NFW 2.2-22-6

AUTHOR
TYPE
ORGANIZATION
TITLE

Hancock, Don; Petti, Caroline
assoc
Southwest Research and Information Center. (USA).
COMMENTS ON DRAFT AREA RECOMMENDATION REPORT FOR THE

PUBLISH DATE ABSTRACT	REPOSITORY PROJECT. SIRC, Albuquerque, April, 1988, 9pp. 88/04/00 Discusses overall inadequacies of the Draft Area Recommendation Report for the Crystalline Repository Program. There are concerns with regard to the rushed schedule for identifying sites; lack of representation of tribal interests: this would disqualify some areas identified as potentially acceptable; exclusion of transportation issues and issues of population factors.
KEYWORDS LOCATION REFERENCE	SITING: native, transport. SIRC, P.O. Box 4524, Albuquerque, New Mexico 87106 anne
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT	Sanders, Barry priv COMMENTS ON THE DRAFT AREA RECOMMENDATION REPORT. Iola, Wisconsin. 1986, 10pp. 86/00/00 A citizen's comments on the proposed Wisconsin sites nuclear waste repository. Criticizes the process when to select the sites. All the sites chosen in Wisconsin various disqualifying factors. Freshwater supplies rights are two of the strongest reasons to reject these sites.
KEYWORDS LOCATION REFERENCE	SITING: native. anne
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	govt Advisory Commission on Radioactive Waste. State of Michigan COMMENTS ON THE US DOE CRP DRAFT AREA RECOMMENDATION EXECUTIVE SUMMARY. April 16, 1986. 12 p. 86/04/16 Title is appropriate. SITING: NFW 2.2-22-12
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Gordon, A.E.M.; Morrow, A.J.; Watson, S.R. (Cambridge Analysts Ltd. (UK)). priv Department of the Environment. London (UK). COMPARATIVE ASSESSMENT OF ENVIRONMENTAL AND SOCIO-ECONOMIC IMPACTS OF DISPOSAL OF RADIOACTIVE WASTE BY SHALLOW SITES IDENTIFIED BY NIREX. FINAL REPORT 1987. VOL. 1 REPORT. VOL. 2: ANNEX. September 1987. 255 p. 87/09/00 This case study tested two methodologies, comparative and multi-attribute value analysis, on repository site selection.
KEYWORDS LOCATION REFERENCE	SITING: social impacts.
AUTHOR TYPE	govt

ORGANIZATION	US DOE Office of Civilian Radioactive Waste Manager
TITLE	Washington, DC (USA).
PUBLISH	CONSULTATION DRAFT: SITE CHARACTERIZATION PLAN OVERV
DATE	COUNTY SITE, TEXAS: NUCLEAR WASTE POLICY ACT (SECTIO
ABSTRACT	January 1988. 125 p.
	88/01/00
	The overview presented here consists of brief summar
	important topics covered in the consultation draft o
	characterization plan.
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Atomic Energy Control Board. (Canada).
TITLE	CRITERIA FOR CONCEPT ASSESSMENT: GEOLOGICAL CONSIDER
	SITING A REPOSITORY FOR UNDERGROUND DISPOSAL OF HIGH
	RADIOACTIVE WASTE. (IN FRENCH AND ENGLISH).
PUBLISH	Consultative Document C-72. Jan. 24, 1984. 8 p.
DATE	84/01/24
ABSTRACT	This paper presents five criteria by which geological
KEYWORDS	acceptability will be judged for disposal siting.
LOCATION	SITING: geology.
REFERENCE	NFW 2.2-22-14
AUTHOR	Lovasic, A.; Aralica, J.; Protic, R.
TYPE	
ORGANIZATION	
TITLE	DEFINING THE SITE AND TECHNOLOGY OF RADIOACTIVE WAST
	THE STRATEGIC ISSUE OF THE YUGOSLAV ENERGY POLICY.
PUBLISH	Proceedings of the Symposium on Waste Management. Tu
	Arizona. Feb 3-March 28, 1988. V. II - High-level Wa
	General Interest. p. 289-295.
DATE	88/03/00
ABSTRACT	
KEYWORDS	SITING: geologic disposal.
LOCATION	
REFERENCE	
AUTHOR	Rautman, C.A.; Whittet, B.C.; South, D.L.
TYPE	govt
ORGANIZATION	Sandia National Labs. NM (USA).
TITLE	DEFINITIONS OF REFERENCE BOUNDARIES FOR THE PROPOSED
	REPOSITORY AT YUCCA MOUNTAIN, NEVADA.
PUBLISH	November 1987. 52 p.
DATE	87/11/00
ABSTRACT	Reference locations are proposed for six boundaries
	federal regulations related to a proposed high-level
	waste repository. A section describes the rationale
	that particular, site-specific location in relations
	generic regulatory definition.
KEYWORDS	SITING: regulations.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	media
ORGANIZATION	Town and Country Planning Association. (UK).
TITLE	DIFFERENT LAWS IN NUCLEAR DEBATE.

PUBLISH DATE ABSTRACT	Town and Country Planning Magazine, (U.K), November, 86/11/00 Local Government Act, passed by Parliament, prohibit government campaigns against nuclear dumps. The nuclear industry company Nirex, partly funded by government, campaign and advertise for the nuclear waste sites, impression that the two sides must play by different SITING: policy and administration, legislation.
KEYWORDS LOCATION REFERENCE	anne

AUTHOR

TYPE ORGANIZATION TITLE	govt Office of Civilian Radioactive Waste Management. (US DRAFT ENVIRONMENTAL ASSESSMENT: CYPRESS CREEK DOME S MISSISSIPPI.
PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Nuclear Waste Policy Act (Section 112), Washington, 84/00/00 SITING: policy and administration.

AUTHOR TYPE ORGANIZATION TITLE	govt Office of Civilian Radioactive Waste Management. (US DRAFT ENVIRONMENTAL ASSESSMENT: DEAR SMITH COUNTY SI
PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Nuclear Waste Policy Act (Section 112), Washington, 84/00/00 SITING: policy and administration.

AUTHOR TYPE ORGANIZATION TITLE	govt Office of Civilian Radioactive Waste Management. (US DRAFT ENVIRONMENTAL ASSESSMENT: REFERENCE REPOSITORY HANFORD SITE, WASHINGTON, DC.
PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Nuclear Waste Policy Act (Section 112), Washington, 84/00/00 SITING: policy and administration.

AUTHOR TYPE ORGANIZATION TITLE	govt Office of Civilian Radioactive Waste Management. (US DRAFT ENVIRONMENTAL ASSESSMENT: RICHTON DOME SITE, M
PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Nuclear Waste Policy Act (Section 112), Washington, 84/00/00 SITING: policy and administration.

AUTHOR TYPE ORGANIZATION TITLE	govt Office of Civilian Radioactive Waste Management. (US DRAFT ENVIRONMENTAL ASSESSMENT: SWISHER COUNTY SITE,
---	---

PUBLISH
DATE
ABSTRACT

Nuclear Waste Policy Act (Section 112), Washington,
84/00/00

KEYWORDS
LOCATION
REFERENCE

SITING: policy and administration.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

govt
Office of Civilian Radioactive Waste Management. (US
DRAFT ENVIRONMENTAL ASSESSMENT: VACHERIE DOME SITE,
Nuclear Waste Policy Act (Section 112), Washington,
84/00/00

SITING: policy and administration.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

govt
Office of Civilian Radioactive Waste Management. (US
DRAFT ENVIRONMENTAL ASSESSMENT: YUCCA MOUNTAIN SITE,
Nuclear Waste Policy Act (Section 112), Washington,
84/00/00

SITING: policy and administration.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

priv
Golder Associates, Inc., CO (USA).
DRAFT UNDERGROUND TEST PLAN FOR SITE CHARACTERIZATION
IN AN EXPLORATORY SHAFT FACILITY IN SALT.
May 1987. 659 p.
87/05/00

An exploratory shaft facility (ESF) at the Deaf Smit
Texas, is a potential candidate repository site in s
program of underground testing constitutes part of t
determine site suitability, provide data for reposit
and performance assessment.

SITING: salt.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

McIntosh, W.H.
govt
Battelle Memorial Inst. Columbus, OH. Office of Nucl
Isolation.
ENVIRONMENTAL ASSESSMENT OF REPOSITORY SITES: CONSID
METHODOLOGY.

J. Inst. Nuclear Materials Management. V. 13. p. 232

The Nuclear Waste Policy Act of 1982 established a pr
which sites for radioactive waste repositories will

KEYWORDS	identified and selected. DOE must develop guidelines
LOCATION	selection and publish environmental assessments.
REFERENCE	SITING:
AUTHOR	
TYPE	govt
ORGANIZATION	Nuclear Waste Project Office. State of Nevada, Agen
TITLE	Nuclear Projects.(USA).
PUBLISH	ENVIRONMENTAL PROGRAM PLANNING FOR THE PROPOSED HIGH
DATE	NUCLEAR WASTE REPOSITORY AT YUCCA MOUNTAIN, NEVADA.
ABSTRACT	NWPO-TR-001-87, Carson City, August, 1987, 68pp plus 87/08/00
	U.S. Department of Energy has failed to present the Nevada with a comprehensive, integrated environmenta plan for the characterization and study of the Yucca site. The State is establishing its own environment program. Describes the State program in relation to U.S. laws. Some components are: establishing baseli environmental data, archaeological and cultural info water quality data, mitigation and site reclamatio SITING: ecological impacts.
KEYWORDS	Capitol Complex, Carson City, Nevada 89710
LOCATION	NFW 2.2-22-7
REFERENCE	
AUTHOR	Palacios, E.; Matar, J.A.; Perucca, J.C.; Ciallella,
TYPE	govt
ORGANIZATION	Comision Nacional de Energia Atomica, Republica Arge
TITLE	ESTUDIOS PARA LA SELECCION DEL EMPLAZAMIENTO DE UN R
PUBLISH	LA ARGENTINA. (in Spanish).
DATE	REPO-10, CNEA-NT 39/85, Buenos Aires, 1985
ABSTRACT	85/00/00 Description of Argentina's plan to reprocess spent f the highest level radioactive elements, the resultin waste to be vitrified and disposed of in granite for Describes the site selection process resulting in th study of sites in Rio Negro and Chubut provinces. SITING: reprocessing.
KEYWORDS	
LOCATION	
REFERENCE	anne
AUTHOR	Symon, Mary Louise
TYPE	govt
ORGANIZATION	Wisconsin Radioactive Waste Review Board. (USA).
TITLE	EXAMINING THE NUCLEAR WASTE SITE SELECTION PROCESS,
PUBLISH	THE HOUSE OF REPRESENTATIVES SUBCOMMITTEE ON ENERGY
DATE	AND POWER.
ABSTRACT	St. Paul, October, 1985, 6pp. 85/10/15 Summarizes the State of Wisconsin's comments on U.S. nuclear waste site selection process. Communication

with DOE result in difficulties for state planners a
methodology, criticizes DOE reluctance to enter into
consultation and concurrence agreements, and failure
incorporate the State's technical comments into revi
Also criticizes DOE's lack of funding for participat

KEYWORDS	Indian tribes.
LOCATION	SITING: policy and administration, native.
REFERENCE	anne
AUTHOR	McNulty, E.G.; Bloom, S.G.; Raines, G.E.
TYPE	acad
ORGANIZATION	Battelle Memorial Inst., Hereford, TX. Office of Nuclear Isolation.
TITLE	EXPECTED NEAR-FIELD RADIONUCLIDE TRANSPORT FOR NUCLEAR REPOSITORIES AT POTENTIAL SALT SITES.
PUBLISH	November 1987. 86 p.
DATE	87/11/00
ABSTRACT	These radionuclide transport analyses predict that at seven potentially acceptable salt sites would provide isolation of nuclear waste for radionuclide transport the diffusion of brine.
KEYWORDS	SITING: salt, radionuclide migration.
LOCATION	
REFERENCE	
AUTHOR	Figuli, S.; English, S.L
TYPE	govt/acad
ORGANIZATION	Pacific Northwest Lab. WA (USA).; Kent State University (USA).
TITLE	GEOLOGIC SOFTWARE FOR NUCLEAR WASTE REPOSITORY STUDIES ASSURANCE PROGRAM.
PUBLISH	April 1987. 6 p.
DATE	87/04/00
ABSTRACT	This paper discusses a quality assurance program that the University has implemented for the development of geologic software. The software will be used in the site characterization of nuclear waste repositories and must meet the requirements of federal regulations.
KEYWORDS	SITING: modelling, regulations.
LOCATION	
REFERENCE	
AUTHOR	Taylor, H.D.
TYPE	priv
ORGANIZATION	Rockwell International Corp. WA (USA).
TITLE	GEOSTATISTICAL ESTIMATION OF ELEVATIONS WITHIN THE COHASETT AT THE REFERENCE REPOSITORY LOCATION.
PUBLISH	June 1987. 73 p.
DATE	87/06/00
ABSTRACT	Geostatistical methods are used to estimate position and associated uncertainties of key horizons in the Cohasset formation
KEYWORDS	to define the probability that repository tunnels for design will maintain appropriate vertical distances from the flow top or flow bottom. Because specific requirements for waste emplacement, haulage, and drainage result in repository tunnels that do not precisely follow the geologic structural attitude and thickness of the Cohasset formation are key factors in repository placement.
LOCATION	SITING: disposal and storage alternatives.
REFERENCE	
AUTHOR	Hancock, Don
TYPE	assoc
ORGANIZATION	Southwest Research and Information Center. (USA).

TITLE	HOW NOT TO FIND A NUCLEAR WASTE SITE.
PUBLISH	The Workbook, Vol.11, no.2, June,1986, 9pp.
DATE	86/06/00
ABSTRACT	Reviews the U.S. DOE's process of site selection for radioactive waste repositories, how the public and s tribal governments have responded to it. Suggests t current repository program be abandoned and replaced system.
KEYWORDS	SITING:
LOCATION	SRIC, P.O. Box 4524, Albuquerque, New Mexico, 87106
REFERENCE	NFW 2.2-22-9
AUTHOR	
TYPE	govt
ORGANIZATION	
TITLE	IDENTIFICATION OF SITES WITHIN THE PALO DURO BASIN: LOCATION B.
PUBLISH	DOE Report CH-10(2). November 1984. V. 2. 175 p.
DATE	84/11/00
ABSTRACT	Swisher County, TX, has been named as a potentially site for a radioactive waste repository. A systemati used to narrow to smaller, more preffered sites on w concentrate the detailed characterization studies, i recommended.
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	
TITLE	IDENTIFICATION OF SITES WITHIN THE PALO DURO BASIN: LOCATION A.
PUBLISH	DOE Report CH-10(1). November 1984. V. 1. 179 p.
DATE	84/11/00
ABSTRACT	A methodology used to narrow sites for continued inv for potential radioactive waste repository sites is
KEYWORDS	SITING: monitoring.
LOCATION	
REFERENCE	
AUTHOR	Montenegro, Raul A. (Department of Evolutionary Biol University of Cordoba); Avila-Jauregui, Julio.
TYPE	acad/assoc
ORGANIZATION	Greenpeace. (Argentina).
TITLE	INCORRECTLY EVALUATED ENVIRONMENTAL RISKS OF THE REP PROJECT IN SIERRA DEL MEDIO, IN CHUBUT.
PUBLISH	Conference on Energy and Environment, Cordoba, Augus
DATE	88/08/00
ABSTRACT	Details "real cost" of nuclear power in Argentina, i aspects of the nuclear fuel chain. Critical of the to select the Gastre repository site: there are imp geological concerns regarding the site which should use as a repository. Raises concerns about importat nuclear waste from overseas.
KEYWORDS	SITING: geologic disposal.
LOCATION	FUNAM, Casilla de Correo 83, Correo Centrale, 5000 C Argentina
REFERENCE	anne
AUTHOR	Stewart, J.C.; Prichard, C.W. (US Nuclear Regulatory

TYPE
ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR

TYPE
ORGANIZATION
TITLE
PUBLISH

DATE
ABSTRACT

KEYWORDS

UK)
Blowers, A.; Pepper, D. (eds.)
govt

INSTITUTIONAL ASPECTS OF SITING NUCLEAR WASTE DISPOSAL
IN THE UNITED STATES.

P. 164-177. Nuclear Power in Crisis. Politics and Policy
the Nuclear State. London, UK. Croom Helm. 1987. 327
87/00/00

This chapter deals with the institutional issues associated
the disposal of nuclear waste in the USA. These include
socio-economic, financial, land use, and especially, political
factors.

SITING: policy and administration.

Stephany, M. (Nuklear-Chemie und Metallurgie G.M.B.H.
Germany, F.R.).

Uranium Inst., London, (UK).
INTERNATIONAL APPROACHES TO SPENT FUEL AND WASTE MANAGEMENT
P. 261-266. Uranium and Nuclear Energy: 1986. Proceedings
11. International Symposium held by the Uranium Institute
London, UK, 2-4 Sept. 1986. London. Uranium Inst. 1987/00/00

The benefits of international cooperation on this subject
given.

SITING: international.

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

Seiler, H.
govt

Bundesamt fuer Energiewirtschaft, (Switzerland).
LEGAL QUESTIONS OF FINAL DISPOSAL FACILITIES FOR NUCLEAR
CLOSE TO THE BORDER.

Peaceful uses of Nuclear Energy and State Frontiers
Europe. Proceedings. Baden-Baden, (FRG). 1987. 394 p
87/00/00

The erection and operation of nuclear installations near
borders imply an increased risk to the neighbour state.
author investigates the question on which conditions the
erection of final disposal facilities for nuclear waste near
the border is allowed concerning to Swiss law and in
law.

SITING: legislation, international, policy and administration

AUTHOR
TYPE
ORGANIZATION

TITLE

PUBLISH

DATE
ABSTRACT

Church, H.W.; Freeman, D.L.; Boro, K.; Egami, R.T.
govt/acad
Sandia National Labs. NM; Nevada Univ., Reno. Desert
Inst. (USA).

METEOROLOGICAL TOWER DATA FOR THE YUCCA ALLUVIAL SITE
RIDGE SITE: FINAL DATA REPORT, JULY 1983- OCTOBER 1987.
November 1987. 63 p.

87/11/00

The purpose of the NNSWI meteorological data collection
was to support environmental evaluations of site suitability
a nuclear waste repository.

KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	Katz, E.M.
TYPE	assoc
ORGANIZATION	American Society of Mechanical Engineers. (USA).
TITLE	MONITORED RETRIEVABLE STORAGE OF NUCLEAR WASTE: A PROBLEM REARS ITS HEAD IN TENNESSEE.
PUBLISH	1987. 4 p.
DATE	87/00/00
ABSTRACT	This paper presents information concerning an issue political questions: the proposal by the DOE to locate monitored retrievable storage facility for spent nuclear waste in Tennessee. This decision was based on scientific evidence provided by the ASME.
KEYWORDS	SITING: policy and administration.
LOCATION	
REFERENCE	
AUTHOR	Merkhofer, M.W.; Keeney, R.L. (Applied Decision Analysis)
TYPE	priv
ORGANIZATION	
TITLE	MULTIATTRIBUTE UTILITY ANALYSIS OF ALTERNATIVE SITES FOR DISPOSAL OF NUCLEAR WASTE.
PUBLISH	Risk Anal. June 1987. V.7(2) P. 173-194.
DATE	87/06/00
ABSTRACT	Five potential sites nominated for the nation's first nuclear waste repository for disposing of nuclear waste are evaluated using multiattribute utility analysis.
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	Conservation Council of New Brunswick
TITLE	NEWSLETTER AND NEWSPAPER ARTICLES ON U.S. DOE NUCLEAR WASTE REPOSITORY SITING.
PUBLISH	Fredericton, 1986
DATE	86/00/00
ABSTRACT	Newspaper and newsletter articles expressing opposition to U.S. DOE's proposed nuclear waste repository sites in the Lake Umbagog area of Maine. Primary objections in Canada are that the site is in a trans-boundary watershed, and that Canada has not been consulted about the proposal.
KEYWORDS	SITING: risk analysis, public participation.
LOCATION	CCNB, 180 St. John St. Fredericton, New Brunswick E3B 6A1
REFERENCE	
AUTHOR	Kennedy, J.E.
TYPE	govt
ORGANIZATION	US Nuclear Regulatory Commission. (USA).
TITLE	NRC ASSESSMENT OF THE HIGH-LEVEL WASTE REPOSITORY QUALITY ASSURANCE PROGRAM.
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dept. 1987. p. 283-286.
DATE	87/00/00
ABSTRACT	As part of its licensing responsibilities, the NRC is

KEYWORDS
LOCATION
REFERENCE

AUTHOR

independently reviewing the DOE quality assurance program applied to the site characterization phase activities collected and other information generated during the program will ultimately be used in a license application demonstrate the suitability of one site for long-term of waste.
SITING: licensing, monitoring.

TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR

TYPE

govt
General Accounting Office, Washington, DC.
NUCLEAR WASTE: STATUS OF DOE'S NUCLEAR WASTE SITE CHARACTERIZATION ACTIVITIES.

1987. 41 p.
87/00/00
Three potential nuclear waste repository sites have to carry out characterization activities- the detailed geological testing to determine the suitability of a repository.
SITING:

Blejwas, T.E.
govt
Sandia National Lab. NM (USA).
PLANNING A PROGRAM IN EXPERIMENTAL ROCK MECHANICS FOR NUCLEAR WASTE STORAGE INVESTIGATIONS PROJECT. (NNWSI TESTS.)

1987. 12 p.
87/00/00
The next phase of the Nevada Nuclear Waste Storage I (NNWSI) Project is the characterization of Yucca Mountain possible site for a high-level nuclear waste repository. Characterization will include experimental programs in technical fields, including rock mechanics.
SITING: geology.

Huff, D.D.; Frederick, B.J.
govt
Oak Ridge National Lab. TN (USA).
PRECIPITATION AND STREAMFLOW IN THE VICINITY OF WEST RIDGE, NEAR OAK RIDGE NATIONAL LABORATORY, OAK RIDGE (WATER YEARS 1984-1985).

September 1987, 43 p.
87/09/00
West Chestnut Ridge was originally considered for use as a central waste disposal facility for a wide range of wastes, although at present, other alternatives for being considered.

SITING: groundwater.

Sinnock, S.; Lin, Y.T.; Brannen, J.P. (Geoscience and Sandia National Labs., Albuquerque, NM)
govt

ORGANIZATION
TITLE

PRELIMINARY BOUNDS ON THE EXPECTED POSTCLOSURE PERFO

PUBLISH
DATE
ABSTRACT

YUCCA MOUNTAIN REPOSITORY SITE, SOUTHERN NEVADA.
J. Geophys. Res. 10 July 1987. V.92(B8) P.7820-7842.
87/07/10

On the basis of current data and understanding of si
characteristics at Yucca Mountain, the likely perfor
of a mined repository for spent nuclear fuel can be
SITING:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

priv
Science Applications International Corp. Las Vegas, N
PRELIMINARY SITE CHARACTERIZATION RADIOLOGICAL MONIT
FOR THE NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS
YUCCA MOUNTAIN SITE.

PUBLISH
DATE
ABSTRACT

March 1987. 81 p.
87/03/00

The activities described in this plan occur in the e
of site characterization. This document presents the
site characterization radiological monitoring plan f
collecting and evaluating data in support of the NNW
SITING: monitoring.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Heineman, R.E.
govt

PROGRESS TOWARD THE SECOND REPOSITORY: STATUS OF THE
PROGRAM.

PUBLISH
DATE
ABSTRACT

J. Inst. Nuclear Materials Management. V. 13. p. 243

US DOE is administering the Crystalline Repository P
evaluate, screen and recommend sites in crystalline
construction of a second repository for radioactive
process is described.

SITING: geologic disposal.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Smith, J.W.; Ryder, D.E
govt

Pacific Northwest Lab. WA (USA).
QUALITY ASSURANCE RECORDS SYSTEM FOR RESEARCH AND DE
ACTIVITIES IN SUPPORT OF GEOLOGIC REPOSITORY PROGRAM
Waste Management '87: Waste Isolation in the US, Tec
Programs and Public Education. Tucson, AZ, (USA). Un
Arizona Nuclear Engineering Dept. 1987. p. 685-690.

PUBLISH

87/00/00

DATE
ABSTRACT

Various studies are being conducted concerning high-
repository sites. In conjunction with this effort, P

KEYWORDS
LOCATION
REFERENCE

developed a quality assurance program that is applicable to organizations that are performing research and development activities in support of the repository programs.
SITING: monitoring.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

acad/media

DATE
ABSTRACT

REGULATIONS (THE CITIZENS' NUCLEAR WASTE MANUAL).
Nuclear Information & Resource Service Report. May 1984.
p.

84/05/00

The basic regulations that will govern the federal nuclear waste repository program are dissected for groups that actively participate in the site selection process.
SITING: regulations.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Voss, J.W.; Pentz, D.L. (Golder Associates, Redmond, WA); Post, R.G. (ed.)

DATE
ABSTRACT

REPOSITORY SITE CHARACTERIZATION.

P. 23-26. Waste Management '87: Waste Isolation in Technical Programs, and Public Education. Tucson, AZ: Arizona Nuclear Engineering Dept. 1987.

87/00/00

This paper explores the planning for field data acquisition with specific reference to requirements for demonstration of acceptable performance for disposal systems.

SITING:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Halstead, Robert J.; Wise, Meg (Wisconsin Radioactive Waste Review Board); Evans, Thomas J. (Wisconsin Geological and Historical Survey).
govt/acad

DATE
ABSTRACT

RETHINKING THE NUCLEAR WASTE PROGRAM: LESSONS FROM THE CRYSTALLINE REPOSITORY PROJECT.

Presented at Waste Management '88, Tucson, Arizona, 1988.
24pp.

88/03/03

Based on a review of DOE Crystalline Repository Project, changes in the U.S. nuclear waste program are recommended. Changes are needed in the site selection process, in order to avoid the costs of exploratory facilities at an unsound approach to socio-economic impacts is necessary.

KEYWORDS
LOCATION
REFERENCE

recognizes adverse impacts at a very early stage of identification. Responsibility for the nuclear waste should be transferred to an independent agency.
SITING: economics.

anne

AUTHOR	H. Platt Thompson Engineering Co. Inc.; SEA Inc.; Du Corporation; William F. Guyton Associates, Inc.
TYPE	priv
ORGANIZATION	Nuclear Waste Project Office, State of Nevada Agency Projects. (USA).
TITLE	REVIEW AND COMMENT ON THE U.S. DEPARTMENT OF ENERGY CHARACTERIZATION PLAN CONCEPTUAL DESIGN REPORT
PUBLISH	NWPO-TR-009-88, Carson City, October 1988
DATE	88/10/00
ABSTRACT	The report prepared for conceptual designs of the Yu repository is based on large assumptions leading to inconclusiveness in terms of technical integrity and reasonableness. The report contains grave deficiency from over-simplification of the geologic and hydroge setting to incorrect determination of the repository rock strength. Many of the concepts within the repo been developed to a reasonable level of engineering scientific integrity to meet the needs of the high-level program.
KEYWORDS	SITING: geology, modelling.
LOCATION	Capitol Complex, Carson City, Nevada 89710
REFERENCE	NFW 2.2-22-3
AUTHOR	Gregory, R.; Lichenstein, S. (Eco Northwest and Deci Research, Eugene, OR)
TYPE	
ORGANIZATION	
TITLE	REVIEW OF THE HIGH-LEVEL NUCLEAR WASTE REPOSITORY SITING ANALYSIS.
PUBLISH	Risk Anal. June 1987. V. 7(2). P. 219-223.
DATE	87/06/00
ABSTRACT	The authors critique two 1986 Dept. of Energy report the selection of sites for characterization as the nation's first high-level nuclear waste repository.
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	State of Minnesota. (USA).
TITLE	REVIEW OF THE U.S. DEPARTMENT OF ENERGY'S NATIONAL SURVEY OF CRYSTALLINE ROCKS.
PUBLISH	St. Paul, April, 1986, 29pp.
DATE	86/04/00
ABSTRACT	Criticizes the national survey of crystalline rocks characterized by poor technical work, out-of-date basic data, inconsistent definitions and inadequate attention to resources. The survey was unfairly biased in favour of eastern rock bodies. The foundation of the crystalline repository siting program was thus technically flawed.
KEYWORDS	SITING: crystalline
LOCATION	
REFERENCE	NFW 2.2-22-8
AUTHOR	Vild, B.
TYPE	govt
ORGANIZATION	Rhode Island Dept. of Administration, Providence. Division of Planning.

TITLE	RHODE ISLAND CRYSTALLINE REPOSITORY SITING PROJECT:
PUBLISH	PROGRESS REPORT, CALENDAR YEAR 1986.
DATE	1987. 7 p.
ABSTRACT	87/00/00 A nuclear waste fund established by the Nuclear Waste of 1982 provides financial support to affected state participate in the high-level radioactive waste repository siting program of the US DOE.
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	Wynn, J.C.; Roseboom, E.H. (US Geological Survey, Reston, Virginia)
TYPE	
ORGANIZATION	
TITLE	ROLE OF GEOPHYSICS IN IDENTIFYING AND CHARACTERIZING HIGH-LEVEL NUCLEAR WASTE REPOSITORIES.
PUBLISH	J. Geophys. Res. 10 July 1987. V.92(B8) P.7787-7796.
DATE	87/07/10
ABSTRACT	Evaluation of potential high-level nuclear waste repository is an area where geophysical capabilities and limitations significantly impact a major governmental program.
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	Sampson, M.; Post, R.G.
TYPE	assoc
ORGANIZATION	Yakima Indian Nation. WA (USA).
TITLE	SELECTED ISSUES AFFECTING INDIAN TRIBES IN THE IMPLEMENTATION OF THE NHPA.
PUBLISH	Waste Management '87: Waste Isolation in the US, Technical Programs and Public Education. Tucson, AZ, (USA). University of Arizona Nuclear Engineering Dept. 1987. p. 29-30.
DATE	87/00/00
ABSTRACT	Enactment of the NHPA requires that a candidate site be selected for the first high-level waste repository based on a comparative evaluation of the three sites under consideration as approved by the US president. However, the nomination can only be compared with one another if there is sufficient basis for scientific judgement. Some of the characteristics of the activities affect the rights of the Indian tribes. This paper describes the issues.
KEYWORDS	SITING: native, analytical techniques.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv
ORGANIZATION	Fluor Technology, Inc., Irvine, CA (USA).
TITLE	SHAFT SITING DECISION.
PUBLISH	Aug. 1987, 103 p.
DATE	87/08/00
ABSTRACT	This study identifies and establishes relative guide criteria used for siting of repository shafts. Weights were determined for the significant factors that impact the selection of locations for a nuclear waste repository in salt.
KEYWORDS	SITING: salt.
LOCATION	
REFERENCE	

AUTHOR	
TYPE	acad/media
ORGANIZATION	
TITLE	SITE CHARACTERIZATION (THE CITIZENS' NUCLEAR WASTE M
PUBLISH	Nuclear Information & Resource Service Report. May 1
	1-57.
DATE	84/05/00
ABSTRACT	The site characterization process of the federal high radioactive waste disposal program is delineated. The and limits of exploratory shaft and in situ testing discussed.
KEYWORDS	SITING: geologic disposal.
LOCATION	
REFERENCE	
AUTHOR	Fridh, B. (Sveriges Geologiska Undersokning, Malaa)
TYPE	
ORGANIZATION	Swedish Nuclear Fuel and Waste Management Co., Stock (Sweden).
TITLE	SITE CHARACTERIZATION AND VALIDATION - GEOPHYSICAL S
	LOGGING. STAGE 1.
PUBLISH	December 1987. 91 p.
DATE	87/12/00
ABSTRACT	The specific geophysical character of the rock mass deformed units distinguished in the boreholes are re and in certain cases also correlated between the bor
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	Devgun, J.S.; Killey, R.W.D.
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Limited.
TITLE	SITE CHARACTERIZATION FOR A SHALLOW LAND BURIAL FACI
PUBLISH	7 p. (1986). Presented at Waste Management '86, Tucs
	p. 1-7, March 3-6 1986.
DATE	86/00/00
ABSTRACT	
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	Gupta, G.C.; Nataraja, M.S.; Justus, P.S. (Nuclear R
	Commission, Div. of Waste Management, Washington, DC
	Post, R.G. (ed.)
TYPE	govt
ORGANIZATION	
TITLE	SITE CHARACTERIZATION INFORMATION NEEDS FOR A HIGH-L
	REPOSITORY.
PUBLISH	P. 165-168. Waste Management '87: Waste Isolation in
	Technical Programs, and Public Education. Tucson, AZ
	of Arizona Nuclear Engineering Dept. 1987.
DATE	87/00/00
ABSTRACT	At each of the three candidate sites recommended for characterization for high-level waste geologic repos development, the DOE has proposed to conduct both su testing and in-situ exploration and testing at the d wastes would be emplaced.
KEYWORDS	SITING:
LOCATION	

REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

govt
US Department of Energy. (USA).
SITE CHARACTERIZATION PLAN - OVERVIEW: YUCCA MOUNTAIN
NEVADA RESEARCH AND DEVELOPMENT AREA, NEVADA.
Office of Civilian Radioactive Waste Management. Con
Draft DOE/RW-0161. Jan. 1988.
88/01/00
SITING:

AUTHOR
TYPE
ORGANIZATION

MacDougall, H.R.; Scully, L.W.; Tillerson, J.R.
govt
Sandia National Labs. NM; Bechtel National, Inc. San
CA; Parsons, Brinckerhoff, Quade and Douglas, Inc. S

TITLE

Francisco, CA (USA).
SITE CHARACTERIZATION PLAN: CONCEPTUAL DESIGN REPORT
DRAWING PORTFOLIO: NEVADA NUCLEAR WASTE STORAGE INVE
PROJECT.

PUBLISH

September 1987. 247 p.

DATE

87/09/00

ABSTRACT

This document presents a description of a prospective
repository for high-level radioactive waste to suppo
development of the site characterization plan for th
Mountain site.

KEYWORDS
LOCATION
REFERENCE

SITING: tuff, design.

AUTHOR
TYPE
ORGANIZATION

MacDougall, H.R.; Scully, L.W.; Tillerson, J.R. (com
priv/govt
Sandia National Lab. NM; Bechtel International, Inc.
Francisco, CA; Parsons, Brinckerhoff, Quade and Doug
San Francisco, CA (USA).

TITLE

SITE CHARACTERIZATION PLAN: CONCEPTUAL DESIGN REPORT
APPENDICES F-O: NEVADA NUCLEAR WASTE STORAGE INVESTI
PROJECT. (NNWSI)

PUBLISH

September 1987. 817 p.

DATE

87/09/00

ABSTRACT

This report summarizes the design bases, design and
criteria, and the design analyses performed. The sit
prospective repository is located at Yucca Mountain
southwestern Nevada, and the waste emplacement area
constructed in the underlying volcanic tuffs.

KEYWORDS
LOCATION
REFERENCE

SITING: tuff.

AUTHOR
TYPE
ORGANIZATION

MacDougall, H.R.; Scully, L.W.; Tillerson, J.R. (com
priv/govt
Sandia National Lab. NM; Bechtel National, Inc. San
CA; Parsons, Brinckerhoff, Quade and Dougals, Inc. Sa
CA (USA).

TITLE

SITE CHARACTERIZATION PLAN: CONCEPTUAL DESIGN REPORT
CHAPTERS 4-9: NEVADA NUCLEAR WASTE STORAGE INVESTIGA
PROJECT.

PUBLISH

September 1987. 537 p.

DATE	87/09/00
ABSTRACT	This document presents a description of a prospective repository for high-level radioactive waste to support development of the site characterization plan for the Mountain site.
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	Chapman, N.A.; Black, J.H.; Bath, A.H.; Hooker, P.J.
TYPE	
ORGANIZATION	
TITLE	T.J. (British Geological Survey, Keyworth, UK. Fluid Research Group).
PUBLISH	SITE SELECTION AND CHARACTERIZATION FOR DEEP RADIOACTIVE REPOSITORIES IN BRITAIN: ISSUES AND RESEARCH TRENDS 1990'S.
DATE	Radioact. Waste Manage. Nucl. Fuel Cycle. December 19(1-3) P. 183-213.
ABSTRACT	87/12/00 The authors assess the current state of knowledge which would mould future radioactive waste repository sites. Particular attention is paid to the technological aspects of site investigation and characterization, and to the methods which need to be applied to future field investigations at deep repository sites.
KEYWORDS	SITING: geologic disposal.
LOCATION	
REFERENCE	
AUTHOR	Sigmon, E.B.; Marland, G. (Oak Ridge Associated Universities Inc., TN, USA).
TYPE	acad
ORGANIZATION	
TITLE	SITE SELECTION FOR CONTROVERSIAL PROJECTS: REFLECTING ON EXPERIENCE.
PUBLISH	Radioact. Waste Manage. Nucl. Fuel Cycle. November 1987 P. 313-326.
DATE	87/11/00
ABSTRACT	Site selection strategies and their influence on project acceptability are examined, using the DOE's monitored retrievable storage proposal as a point of departure.
KEYWORDS	SITING: monitoring, retrieval.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	Umweltschutzforum Schacht Konrad. (FRG).
TITLE	SO IST DAS MIT SCHACHT KONRAD. (in German).
PUBLISH	Salzgitter, 1986, 14pp.
DATE	86/00/00
ABSTRACT	Information booklet for citizen initiatives on the Schacht Konrad site. Shows that the studies undertaken have not been sufficient.
KEYWORDS	SITING: education.
LOCATION	
REFERENCE	anne
AUTHOR	Larson, Gregg S.
TYPE	govt
ORGANIZATION	Minnesota Environmental Quality Board. (USA).

TITLE

|STATE OF MINNESOTA TESTIMONY ON GENERAL GUIDELINES 1

PUBLISH
DATE
ABSTRACT

RECOMMENDATION OF SITES FOR NUCLEAR WASTE REPOSITORY
THE U.S. NUCLEAR REGULATORY COMMISSION.
St. Paul, January, 1984, 8pp.

84/01/11

DOE guidelines for high-level repository sites are r
to assure the selection of licensable sites for a nu
reasons: they place greater significance on post-cl
performance standards, when pre-closure risks may ac
higher, they are too qualitative, they permit consid
engineered barriers in examining site performance st
when sites should be evaluated on their own merits,
disqualify sites that cannot be modelled due to phys
limitations.

KEYWORDS
LOCATION
REFERENCE

SITING: analytical techniques, waste management.

anne

AUTHOR
TYPE
ORGANIZATION
TITLE

Paton, Richard F.

govt

Minnesota Environmental Quality Board. (USA).

STATE OF MINNESOTA TESTIMONY ON IMPLEMENTATION OF TH
WASTE POLICY ACT.

PUBLISH
DATE
ABSTRACT

St. Paul, 1984, 15pp.

84/00/00

The extent to which DOE can improve the siting proce
to the second repository states depends upon the man
the Nuclear Waste Policy Act is implemented. This p
outlines Minnesota's concerns about unrealistic time
lack of guidance on key provisions, lack of guidance
respect to reprocessing, lack of specificity in siti
guidelines. It is necessary that DOE and the States
co-partners in all aspects of site technical review.
SITING:

KEYWORDS
LOCATION
REFERENCE

anne

AUTHOR
TYPE
ORGANIZATION

govt

Nuclear Waste Project Office, State of Nevada Agency
Projects. (USA).

TITLE

STATE OF NEVADA COMMENTS ON THE U.S. DOE CONSULTATIO
CHARACTERIZATION PLAN, YUCCA MOUNTAIN SITE, NEVADA R
DEVELOPMENT AREA, NEVADA. VOL 1.

PUBLISH
DATE
ABSTRACT

NWPO, Carson City, September, 1988

88/09/00

Comments on and critiques the Draft Site Characteriz
Presents the view that the SCP does not meet its sta
requirements under the Nuclear Waste Policy Act, and
specific comments on physical parameters (eg) geolog
geohydrology, waste packaging, etc.

KEYWORDS
LOCATION

SITING: geology.

Capitol Complex, Carson City, Nevada, 89710

REFERENCE	NFW 2.2-22-1
AUTHOR	
TYPE	govt
ORGANIZATION	Nuclear Waste Project Office, State of Nevada Agency Projects.(USA).
TITLE	STATE OF NEVADA COMMENTS ON THE U.S. DOE DRAFT ENVIR ASSESSMENT FOR THE PROPSD HIGH-LEVEL NUCLEAR WASTE YUCCA MOUNTAIN.VOL 1.
PUBLISH	NWPO, Carson City, March,1985
DATE	85/03/00
ABSTRACT	Generally concludes that the Environmental Assesmen inadequate and requires re-examination and revision be used as a credible basis for evaluating the suita the Nevada site for characterization. General areas specific areas of concern, comments of local governm SITING: geologic disposal.
KEYWORDS	
LOCATION	Capitol Complex, Carson City, Nevada 89710
REFERENCE	anne

AUTHOR	
TYPE	govt
ORGANIZATION	Nuclear Waste Project Office, State of Nevada Agency Projects.(USA).
TITLE	STATE OF NEVADA COMMENTS ON THE U.S. DOE DRAFT ENVIR ASSESSMENT FOR THE PROPOSED HIGH-LEVEL NUCLEAR WASTE YUCCA MOUNTAIN. VOL.2.
PUBLISH	NWPO, Carson City, March 1985
DATE	85/03/00
ABSTRACT	Continues comments by Nevada state agencies on the D Environmental Assessment document. Reviews come fro angles. Some are extremely critical of the E.A. on its consideration of transportation, natural resourc socio-economic factors, agriculture, geology, Indian SITING: geologic disposal.
KEYWORDS	
LOCATION	Capitol Complex, Carson City, Nevada 89710
REFERENCE	anne

AUTHOR	Olivo, Oscar R.
TYPE	priv
ORGANIZATION	
TITLE	STATEMENT ON PROPOSED NUCLEAR WASTE REPOSITORIES IN BATHOLITH OF THE STATE OF WISCONSIN.
PUBLISH	Wausau, Wisconsin, January,1986, 5pp.
DATE	86/01/29
ABSTRACT	A citizen's comments on the proposed Wisconsin sites nuclear waste repository. Opposes the sites on the extensive groundwater reserves and freshwater source contamination, the tourism economy would suffer, the waste transportation and the unproven technology.
KEYWORDS	SITING: risk analysis, hydrogeology, geology, ground
LOCATION	

REFERENCE	anne
-----------	------

AUTHOR	
TYPE	govt
ORGANIZATION	Minnesota Governor' Nuclear Waste Council. (USA).
TITLE	SUMMARY OF THE COMMENTS ON THE U.S. DOE DRAFT AREA R REPORT FOR THE CRYSTALLINE REPOSITORY PROJECT

PUBLISH	Minnesota Governor's Nuclear Waste Council, St. Paul 16pp.
DATE	88/0/00
ABSTRACT	Strongly criticizes the DARR in areas of geology, en and methodology. Summarizes the comments for each o proposed sites, all are found to have significant di factors.
KEYWORDS	SITING: geology, risk analysis.
LOCATION	
REFERENCE	NFW 2.2-22-11
AUTHOR	McNulty, J.
TYPE	priv
ORGANIZATION	
TITLE	TALE OF TWO REPOSITORIES.
PUBLISH	Waste Management '87: Waste Isolation in the US, Tec Programs and Public Education. Tucson, AZ, (USA). Un Arizona Nuclear Engineering Dept. 1987. p. 3-6.
DATE	87/00/00
ABSTRACT	This paper reviews the history of the West and East siting of the two hlw repositories and of the confli the US DOE and congress over the secondary repositior
KEYWORDS	SITING: international.
LOCATION	
REFERENCE	
AUTHOR	Chen, C.P.; Raines, G.E.
TYPE	acad
ORGANIZATION	Battelle Memorial Inst. Columbus, OH (USA).
TITLE	TECHNICAL BASIS FOR HIGH-LEVEL WASTE REPOSITORY AND REQUIREMENTS FOR PALO DURO BASIN, PARADOX BASIN, AND DOME.
PUBLISH	Feb 1987. 70 p.
DATE	87/02/00
ABSTRACT	Three sites, the Palo Duro Basin in Texas, the Parad Utah, and the Richton Dome in Mississippi, are being investigated by the U.S. Department of Energy for hi radioactive waste disposal in mined, deep geologic r in salt. This report delineates the use of regulator engineering and performance assessment information t the technical basis for controlled area requirements
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	Nimick, F.B.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	TECHNICAL CORRESPONDENCE IN SUPPORT OF THE SITE CHAR PLAN: NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS PR
PUBLISH	April 1987. 50 p.
DATE	87/04/00
ABSTRACT	This document is composed of two technical memorandu information that has been referenced in the site characterization plan for the NNWSI project. The inf pertains to the following areas: the potential for t degradation of the Topopah Spring Tuff; updated data for Goodman Jack test performed in G-tunnel on the N
KEYWORDS	SITING: geologic disposal.
LOCATION	
REFERENCE	

AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	assoc International Atomic Energy Agency. Vienna (Austria) TECHNIQUES FOR SITE INVESTIGATIONS FOR UNDERGROUND R DISPOSAL OF RADIOACTIVE WASTES. Technical Reports Series No. 256. 62 p. 85/00/00 SITING: analytical techniques, international.
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION REFERENCE	Essame, John assoc Minnesota Future Agricultural Interests Recognized (TESTIMONTY TO THE U.S. HOUSE OF REPRESENTATIVES SUBC ENERGY CONSERVATION AND POWER. MNFAIR, Belview, Minn. October,1985, 10pp. 85/10/15 Testimony regarding the choice of five Minnesota sit potential second-round U.S. nuclear waste repositori Concerned with the process of site selection, sacrific important safety standards, citizen participation, a information, risk assessment. SITING: safety analysis, risk analysis. MNFAIR, RR1. Box26B, Belview, MN. 56214 anne
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE	Larson, Gregg govt State of Minnesota, High-Level Radioactive Waste Pro TESTIMONY BEFORE U.S. HOUSE OF REPRESENTATIVES SUBCO ENERGY CONSERVATION AND POWER, COMMITTEE ON ENERGY A St. Paul, October,1985, 11pp. 85/10/15
ABSTRACT KEYWORDS LOCATION REFERENCE	Summarizes State of Minnesota criticism of the DOE's repository program. Geological survey is incomplete application has been inconsistent, DOE failed to com Nuclear Waste Policy Act and withheld information on co-operative studies with Canada. States were not f consulted on procedures, shortcuts have been taken t unrealistic deadlines, siting methodology, guideline standards have been problematic, leading to a lack o in the siting process. SITING: geology, risk analysis. anne
AUTHOR TYPE ORGANIZATION TITLE PUBLISH DATE ABSTRACT KEYWORDS LOCATION	Johnson, Marlene govt State of Minnesota. (USA). TESTIMONY TO U.S. HOUSE OF REPRESENTATIVES SUBCOMMIT CONSERVATION AND POWER, COMMITTEE ON ENERGY AND COMM St. Paul, October, 1985 85/10/15 Reiterates Minnesota's opposition to the DOE's secon program on the basis that political expediency has t precedence over long-term health and safety consider SITING: health, safety analysis.

REFERENCE	anne
AUTHOR	Dalrymple, G.J. (Cap Scientific, London, UK)
TYPE	Post, R.G. (ed.)
ORGANIZATION	
TITLE	THE AQUISITION OF DATA FOR USE IN THE PROBABILISTIC ASSESSMENT OF UNDERGROUND DISPOSAL OF RADIOACTIVE WASTE
PUBLISH	P. 571-578. Waste Management '87: Waste Isolation in Technical Programs, and Public Education. Tucson, AZ of Arizona Nuclear Engineering Dept. 1987.
DATE	87/00/00
ABSTRACT	In developing a methodology for assessing potential disposal of radioactive wastes, the UK Department of Environment has conducted a series of trial assessments
KEYWORDS	SITING: risk analysis.
LOCATION	
REFERENCE	
AUTHOR	Whitaker, S.H.; Davison, C.C.; Dormuth, K.W.; Scott,
TYPE	govt
ORGANIZATION	Atomic Energy of Canada Limited.
TITLE	THE CANADIAN APPROACH TO SITE CHARACTERIZATION FOR A WASTE DISPOSAL VAULT.
PUBLISH	9 p. (1986). Proceedings of an International Symposium on Siting, Design and Construction of Underground Repositories for Radioactive Wastes Organized by the International Atomic Energy Agency and held in Hanover, p. 273-281, 3-7 March 1986
DATE	86/00/00
ABSTRACT	
KEYWORDS	SITING: geologic disposal.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	Architects, Designers and Planners for Social Responsibility (USA).
TITLE	THE EMERGING LANDSCAPE OF PEACE.
PUBLISH	ADPSR, Proceedings from the 1986 Annual Meeting of the Society of Landscape Architects, New York, 1987, 113 p.
DATE	87/00/00
ABSTRACT	Chapter on siting of nuclear facilities, including waste from a planners perspective. Expresses opposition to repository sites and a preference for on-reactor-site alternatives. Section by John Gofman on health effects of radiation exposure.
KEYWORDS	SITING: other alternatives.
LOCATION	225 Lafayette St. New York, NY, 10012
REFERENCE	anne
AUTHOR	
TYPE	govt
ORGANIZATION	Michigan Dept. of Public Health. Lansing, (USA)
TITLE	THE MICHIGAN HIGH-LEVEL RADIOACTIVE WASTE PROGRAM: FINAL TECHNICAL PROGRESS REPORT.
PUBLISH	24 July 1987. 94 p.
DATE	87/07/24
ABSTRACT	This report comprises the state of Michigan's final report on the location of a proposed high-level radioactive waste disposal site.

KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	Colglazier, E. William
TYPE	acad
ORGANIZATION	Energy, Environment and Resources Centre, University Tennessee, Knoxville. (USA).
TITLE	THE MRS, AN ASSESSMENT OF ITS NEED AND FEASIBILITY.
PUBLISH	Forum for Applied Research and Public Policy, Spring
DATE	86/00/00
ABSTRACT	Examines the need and feasibility of siting a Monito Retrievable Storage facility for spent nuclear fuel. an MRS is not a critical part of a waste management Transportation schemes must be improved whether or n built. Risks and advantages of various alternative examined.
KEYWORDS	SITING: retrieval, transport.

LOCATION	
REFERENCE	anne
AUTHOR	
TYPE	acad/media
ORGANIZATION	
TITLE	THE NATIONAL PARK SERVICE ORGANIC ACT PROHIBITS TURN DOORSTEP OF CANYONLANDS NATIONAL PARK INTO A NUCLEAR
PUBLISH	Journal of Energy Law & Policy. 1986. V. 7(1) p. 95.
DATE	86/00/00
ABSTRACT	
KEYWORDS	SITING: disposal and storage alternatives.
LOCATION	
REFERENCE	

AUTHOR	Whelan, G.; Strenge, D.L.; Droppo, J.G. JR.; Steelman J.W.
TYPE	
ORGANIZATION	Pacific Northwest Lab. WA (USA).
TITLE	THE REMEDIAL ACTION PRIORITY SYSTEM (RAPS) : MATHEMA FORMULATIONS.
PUBLISH	Aug. 1987, 323 p.
DATE	87/08/00
ABSTRACT	The remedial action priority system (RAPS) represent methodology that prioritizes inactive hazardous and mixed-waste disposal sites in a scientific and objec based on limited site information.
KEYWORDS	SITING: modelling.
LOCATION	
REFERENCE	

AUTHOR	Murdock, S.H.; Leistritz, F.L.; Hamm, R.R. (Texas A College Station, Tx); Dyes, O.; Harhalakis, G.
TYPE	acad
ORGANIZATION	
TITLE	THE SOCIOECONOMIC IMPACTS OF HIGH-LEVEL NUCLEAR WAST SITING.
PUBLISH	P. 99-106. Management of Energy Technology, 1987. N (USA). American Society of Mechanical Engineers.
DATE	87/00/00
ABSTRACT	This paper examines some of the potential socioecono and the characteristics of mitigation programs neces these impacts are to be addressed.

KEYWORDS LOCATION REFERENCE	SITING: mitigation, socio-economic and ecological im
AUTHOR	Fitzgerald, Michael R.;McCabe, Amy Snyder (Energy, E and Resource Center, University of Tennessee).
TYPE	acad
ORGANIZATION	Nuclear Waste Project Office, State of Nevada Agency Projects.(USA).
TITLE	THE U.S. DOE'S ATTEMPT TO SITE THE MONITORED RETRIEV FACILITY (MRS) IN TENNESSEE, 1985-1987.
PUBLISH	NWPO-SE-014-88, Carson City, May 1988, 80pp.
DATE	88/05/00
ABSTRACT	Reviewing DOE's attempts to site a Monitored Retrieval site in Tennessee provides a valuable insight into problems and prospects for siting a high-level repository. The issue of compensation to a region, or the whole State, rather than just to the area of the site was raised. Reviews the participation mechanisms set up by the State, including citizens' task forces, with comments on effectiveness and unusual suggestions especially with respect to monitoring and compensation, citizen monitoring and control can be achieved through these mechanisms.
KEYWORDS	SITING: public participation, disposal and storage at the
LOCATION	Capitol Complex, Carson City, Nevada 89710
REFERENCE	NFW 2.2-22-4
AUTHOR	Gascoyne, M. (Atomic Energy of Canada Ltd. Applied Geology Branch); Come, B. (CEC); Chapman, N.A. (BGS).
TYPE	govt
ORGANIZATION	Commission of the European Communities, Luxembourg.
TITLE	THE USE OF URANIUM-SERIES DISEQUILIBRIUM FOR SITE CHARACTERIZATION AND AS AN ANALOGUE FOR ACTINIDE MIGRATION
PUBLISH	P. 356-373. Natural Analogues in Radioactive Waste Management Proceedings of a Symposium Organized by the CEC and EC, Brussels, BE, on 28-30 April 1987. London. Graham and Taylor 1987. 506 p. Radioactive Waste Management Series.
DATE	87/04/00
ABSTRACT	A procedure is described for applying decay-series methods to site characterization studies involved in site selection for waste disposal.
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	Hancock, Don.
TYPE	assoc
ORGANIZATION	Southwest Research and Information Center.(USA).
TITLE	THE WASTING OF AMERICA; TARGET-NEVADA, TARGET-NEW MEXICO
PUBLISH	The Workbook. Vol.13, No.1. Jan/Mar,1988. Southwest Research and Information Center.
DATE	88/03/00
ABSTRACT	Articles discussing the Yucca Mountain site in Nevada and the Waste Isolation Pilot Project site in New Mexico. The paper discusses events leading up to selection of these sites and on the other hand, Also is critical of various geological factors in the selection of formations at the WIPP site.
KEYWORDS	SITING: risk analysis.
LOCATION	SIRC, P.O.Box 4524, Albuquerque, New Mexico 87106
REFERENCE	NFW 2.2-22-13

AUTHOR	Malone, Charles R.
TYPE	govt
ORGANIZATION	Nuclear Waste Project Office, State of Nevada Agency Projects. (USA).
TITLE	UPDATE ON ENVIRONMENTAL PROGRAM PLANNING FOR THE U.S HIGH-LEVEL NUCLEAR WASTE REPOSITORY PROJECT.
PUBLISH	The Environmental Professional Vol.9, 1987, 2pp.
DATE	87/00/00
ABSTRACT	Calls for environmental baseline studies to be performed site disturbance for characterization. Is necessary purpose of conducting an audit of environmental impact during the characterization phase as is required by Conducting a baseline study after the site has been would produce inaccurate data.
KEYWORDS	SITING:
LOCATION	
REFERENCE	anne
AUTHOR	Anon.
TYPE	
ORGANIZATION	
TITLE	VAALPUTS: NUCLEAR WASTE DISPOSAL SITE COMMISSIONED.
PUBLISH	S. Afr. Min. World. January 1987. V.5(12) P.18-22, 2
DATE	87/01/00
ABSTRACT	The first consignment of radioactive nuclear waste from Koeberg-1 reactor was interred at Vaalputs, South African national repository for nuclear waste.
KEYWORDS	SITING:
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	Waupaca County, Wisconsin. (USA).
TITLE	WAUPACA COUNTY QUESTIONS AND CONCERNS.
PUBLISH	Waupaca, Wisconsin, April, 1986, 11pp.
DATE	86/04/08
ABSTRACT	Questions and concerns raised in response to the Department of Energy's Draft Area Recommendation Report. Though the questions are U.S. program specific many would be applicable in a general sense to any high-level waste disposal assessment.
KEYWORDS	SITING: disposal and storage alternatives.
LOCATION	
REFERENCE	anne
AUTHOR	Radioactive Waste Review Board
TYPE	govt
ORGANIZATION	State of Wisconsin. (USA).
TITLE	WISCONSIN'S COMMENTS ON U.S. DOE'S DRAFT AREA RECOMMENDATION REPORT.
PUBLISH	Madison, July, 1986, 39pp. plus appendices
DATE	86/07/00

The State of Wisconsin considers that the specific s designated in Wisconsin are unacceptable for a varie geological, geographical and socio-economic reasons. methodology and guidelines used in the DARR are impr times inconsistent. Information of specific and ger importance has been omitted (eg) details of transpor factors, groundwater resources, seasonal population agriculture and tourism, native American concerns.

SITING:

State Capitol, P.O. Box 7863, Madison, WI 53707-7863
NFW 2.2-22-5

SITING:
State Capitol, P.O. Box 7863, Madison, WI 53707-7863
NFW 2.2-22-5

govt
U.S. Department of Energy- Office of Civilian Radioa
Management.

A MULTIATTRIBUTE UTILITY ANALYSIS OF SITES NOMINATED FOR CHARACTERIZATION FOR THE FIRST RADIOACTIVE-WASTE REPLY DECISION-AIDING METHODOLOGY.

May 1986. DOE/RW-0074.
86/05/00

A government paper on the selection of sites; which preferable and why. A decision-aiding methodology in selection is presented. The study is technical in n examines each proposed site's socioeconomic and envi attributes in detail.
SITING: decision making.

govt
Atomic Energy of Canada Limited.
MANAGING CANADA'S NUCLEAR FUEL WASTES. (IN ENGLISH A
Whiteshell Nuclear Research Establishment. Pinawa, M
1989. 44 p. WWM-89-05-01

1983-11-14 p. WNM-89-03-01
89/05/01
A detailed description of AECL's Nuclear Fuel Waste Program: an examination of research, program participation, history, technical matters, transport of waste, and procedures.

SITING: policy and administration

NFW 2.2-21-2e; NFW 2.2-21-2f

PPPP III L OOO N N

AUTHOR	Montigon, J.F. (CEA Centre D'Etudes Nucleaires de Ca
TYPE	
ORGANIZATION	Commission of the European Communities, Luxembourg.
TITLE	A FEASIBILITY STUDY ON A TOMOGRAPH FOR RADIOACTIVE W
PUBLISH	EXAMINATION. (in French)
DATE	1987. 91 p.
ABSTRACT	87/00/00 A feasibility study on a high-energy tomograph for r waste examination has been carried out by CEA/SEDFMA report deals with the work programme which has been gives the results of the research.
KEYWORDS	WASTE CHARACTERIZATION:
LOCATION	
REFERENCE	
AUTHOR	Kocher, D.C.; Croff, A.G.
TYPE	govt
ORGANIZATION	Oak Ridge National Lab. TN (USA).
TITLE	A PROPOSED CLASSIFICATION SYSTEM FOR HIGH-LEVEL AND
PUBLISH	RADIOACTIVE WASTES.
DATE	June 1987. 160 p.
ABSTRACT	87/06/00 This report presents a proposal for quantitative and applicable risk based definitions of high-level and radioactive wastes.
KEYWORDS	WASTE CHARACTERIZATION:
LOCATION	
REFERENCE	
AUTHOR	Hunter, T.O.
TYPE	govt
ORGANIZATION	Sandia National Lab. NM (USA).
TITLE	A REPOSITORY VIEW OF THE SYSTEM.
PUBLISH	September 1987. 19 p.
DATE	87/09/00
ABSTRACT	A nuclear waste repository will not recieve a single well-defined waste type from one source.
KEYWORDS	WASTE CHARACTERIZATION:
LOCATION	
REFERENCE	
AUTHOR	NAME LOST***, J.E. (Battelle, Pacific Northwest Lab,
TYPE	WA)
ORGANIZATION	priv
TITLE	American Chemical Society, Washington, DC (USA).
PUBLISH	BASIC CONCEPTS INVOLVED IN THE LEACHING OF WASTE FOR
DATE	p. 15-17. 194 National Meeting of American Chemical
ABSTRACT	Division of Environmental Chemistry. Washington, DC.
	Chemical Society. 1987.
	87/00/00
	This paper discusses the considerations necessary in
KEYWORDS	testing of conditioned and unconditioned wastes. The principals are applicable to both radioactive and ha chemical wastes. WASTE CHARACTERIZATION: leaching.

LOCATION REFERENCE	
AUTHOR	Jacobs, D.G., et al.
TYPE	priv
ORGANIZATION	Maxima Corporation. TN (USA).
TITLE	BRIEF HISTORICAL PERSPECTIVE ON THE DEFINITION OF HIGHLY NUCLEAR WASTES.
PUBLISH	1985. 46 p.
DATE	85/00/00
ABSTRACT	
KEYWORDS	WASTE CHARACTERIZATION:
LOCATION	
REFERENCE	
AUTHOR	Kelmers, A.D.; Hightower, J.R.
TYPE	govt
ORGANIZATION	Oak Ridge National Lab. TN (USA).
TITLE	CALCULATION OF THE INVENTORY AND NEAR FIELD RELEASE RADIOACTIVITY FROM NEUTRON ACTIVATED METAL PARTS DISPOSED THE HIGH FLUX ISOTOPE REACTOR AND EMPLACED IN SOLID STORAGE AREA 6 AT OAK RIDGE NATIONAL LABORATORY.
PUBLISH	May 1987. 120 p.
DATE	87/05/00
ABSTRACT	Emplacement of contaminated reactor components involved in lined and unlined auger holes in soil above the waste The radionuclide inventory of disposed components was calculated.
KEYWORDS	WASTE CHARACTERIZATION: radionuclide migration.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	acad
ORGANIZATION	
TITLE	CHARACTERIZATION OF LEAD-IRON PHOSPHATE NUCLEAR WASTE Nuclear Waste Management Symposium. Stockholm (Sweden) 9-11, 1985. p. 231.
PUBLISH	85/09/00
DATE	
ABSTRACT	
KEYWORDS	WASTE CHARACTERIZATION: glass.
LOCATION	
REFERENCE	
AUTHOR	Moir, D.L.; Chatt, A. (Dalhousie Univ., Halifax, N.S. of Chemistry)
TYPE	acad
ORGANIZATION	
TITLE	CHARACTERIZATION OF SIMULATED VITRIFIED HIGHLY ACTIVE WASTES LEACHATES BY NEUTRON ACTIVATION.
PUBLISH	J. Radioanal. Nucl. Chem.-Articles. December 1987. V P.389-400.
DATE	87/12/00
ABSTRACT	Neutron activation analysis methods were developed for simultaneous determination of multielement concentrations in various types of glass and their leachates.
KEYWORDS	WASTE CHARACTERIZATION: glass, leaching.
LOCATION	
REFERENCE	
AUTHOR	Luksic, A.T. (Pacific Northwest Lab., Richland, WA)

TYPE	Post, R.G. (ed.)
ORGANIZATION	priv
TITLE	CHARACTERIZATION OF SPENT FUEL DISASSEMBLY HARDWARE BEARING COMPONENTS AND THEIR RELATIONSHIP TO 10 CFR P. 475-482. Waste Management '87: Waste Isolation in Technical Programs and Public Education. Tucson, AZ. of Arizona Nuclear Engineering Dept. 1987.
PUBLISH	87/00/00
DATE	This paper characterizes spent fuel disassembly hard
ABSTRACT	non-fuel-bearing components for the most abundant fu
KEYWORDS	WASTE CHARACTERIZATION:
LOCATION	
REFERENCE	
AUTHOR	Steen, J. Van Der; Kops, J.A.M.M.
TYPE	
ORGANIZATION	
TITLE	COMMENT UPON THE BASIC NOTE ABOUT THE DEVELOPMENT OF UNDERGROUND DISPOSAL OF RADIOACTIVE WASTE (TOR) (in NVS-NIEUWS. November 1987. V. 12(5) P. 13-16.
PUBLISH	87/11/00
DATE	A comment is given upon the note of the Dutch govern
ABSTRACT	criteria for underground disposal of radioactive was
KEYWORDS	WASTE CHARACTERIZATION: safety analysis, health.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	COMPACTABLE REACTOR WASTE CHARACTERIZATION.
PUBLISH	1985. 41 P.
DATE	85/00/00
ABSTRACT	
KEYWORDS	WASTE CHARACTERIZATION:
LOCATION	
REFERENCE	
AUTHOR	Burnay, S.G.
TYPE	priv
ORGANIZATION	Aere Harwell Didcot. OR (USA).
TITLE	COMPARATIVE EVALUATION OF ALPHA AND GAMMA RADIATION BITUMENISATE.
PUBLISH	Nucl. Chem. Waste Manage. 1987. V. 7(2) p. 107-128.
DATE	87/00/00
ABSTRACT	The behaviour of a bitumenisate containing reprocess concentrates has been studied under alpha and gamma The results are discussed in this paper.
KEYWORDS	WASTE CHARACTERIZATION:
LOCATION	
REFERENCE	
AUTHOR	Gray, W.J. (Pacific Northwest Lab., Richland, WA). Bates, J.K.; Seefeldt, W.B. (eds.).
TYPE	priv
ORGANIZATION	Argonne National Lab. Il (USA).
TITLE	COMPARISON OF URANIUM RELEASE FROM SPENT FUEL AND UN UO2 IN SALT BRINE
PUBLISH	P. 141-152. Scientific Basis for Nuclear Waste Manag Pittsburgh, PA (USA). Materials Research Society. 19

DATE
ABSTRACT

87/00/00

Spent fuel and unirradiated UO₂ were previously reported to have exhibited a 100-fold difference in the total amount of radionuclides released during static leach tests in salt brine. The studies designed to investigate that difference have been completed.

WASTE CHARACTERIZATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Kindle, C.H.; Kreiter, M.R.

priv

Pacific Northwest Lab. WA (USA).

COMPREHENSIVE DATA BASE OF HIGH-LEVEL NUCLEAR WASTE 1987 STATUS REPORT: VOLUME 1, DISCUSSION AND GLASS I DATA.

PUBLISH
DATE
ABSTRACT

December 1987. 276 p.

87/12/00

This data base is a resource that nuclear waste producers, disposers, and regulators can use to compare properties of particular high-level nuclear waste glass products with properties of other glasses of similar compositions.

WASTE CHARACTERIZATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Moghissi, A.A

acad

DEFINITION OF RADIOACTIVE WASTE.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Nuclear and Chemical Waste Management 5: 123-124.

85/00/00

WASTE CHARACTERIZATION:

AUTHOR
TYPE
ORGANIZATION

Nus Corp., Gaithersburg, MD; Battelle Memorial Inst. OH. Office of Nuclear Waste Isolation.

TITLE

DETERMINATION OF BACKGROUND RADIOLOGICAL CHARACTERISTICS OF THE PALO DURO BASIN, TEXAS: TECHNICAL REPORT.

PUBLISH
DATE
ABSTRACT

April 1987. 82 p.

87/04/00

The information presented in this report pertains to background radiological characteristics studies of the repository project of the office of geologic repository CRWM program.

WASTE CHARACTERIZATION: salt.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Fernandez, S.J.

priv

Westinghouse Idaho Nuclear Co. (USA).

DETERMINATION OF IODINE SPECIFIC ACTIVITY IN NUCLEAR REPROCESSING PLANT OFF-GASES.

PUBLISH
DATE
ABSTRACT

DOE Report WINCO-1016. Sept. 1984. 36 p.

84/09/00

Mass spectrometry and gas chromatography-electron capture

KEYWORDS
LOCATION
REFERENCE

detection techniques were integrated in the measurement of specific activity of iodine compounds emitted in nuclear reprocessing off-gases.
WASTE CHARACTERIZATION:

AUTHOR
TYPE
ORGANIZATION
TITLE

Heath, W.O.
priv
Pacific Northwest Lab. WA (USA).
DEVELOPMENT OF AN IN SITU METHOD TO DEFINE THE RHEOLOGICAL PROPERTIES OF SLURRIES AND SLUDGES STORED IN UNDERGROUND

PUBLISH
DATE
ABSTRACT

April 1987. 110 p.
87/04/00

A method for measuring the in situ flow properties of radioactive waste sludges has been developed at Pacific Northwest Labs., along with a preconceptual design of a vane device that can be installed in underground high level tanks and used to make those measurements remotely.

KEYWORDS
LOCATION

WASTE CHARACTERIZATION:

REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Bruzzi, L.; Deserti, M.
acad
Bologna University. (Italy).
EFFECTS OF RADIATION PROTECTION STANDARDS ON THE TOXICITY OF RADIOACTIVE WASTES.

PUBLISH
DATE
ABSTRACT

Acqua-Aria. 1989. N. 3 p. 273-282.
89/00/00

The hazard of radioactive waste repositories is often assessed by means of the toxicity index. This paper describes the evolution of radiation protection standards.

KEYWORDS
LOCATION
REFERENCE

WASTE CHARACTERIZATION:

AUTHOR
TYPE
ORGANIZATION
TITLE

Bedore, N.; Levin, A.; Tuite, P.
priv
Waste Management Group Inc., Crompond, NY.
EVALUATION OF UNCERTAINTIES IN IRRADIATED HARDWARE CHARACTERIZATION: FINAL REPORT, SEPT. 30, 1986- MAR.

PUBLISH
DATE
ABSTRACT

October 1987, 100 p.
87/08/00

Waste management Inc. has evaluated the techniques used by the industry to characterize and classify irradiated hardware components for disposal. This report describes the criteria and practises used to characterize the radionuclide content of hardware components, identifies the uncertainties associated with the techniques and practices considered, and recommends areas for improvement which could reduce uncertainty.

KEYWORDS
LOCATION
REFERENCE

WASTE CHARACTERIZATION:

AUTHOR
TYPE
ORGANIZATION
TITLE

govt
DOE (USA).
FLOWSHEETS AND SOURCE TERMS: CHARACTERISTICS OF IMPOSED RADIONUCLIDES; AND PROJECTION OF SPENT FUEL INVENTORY AND REPOSITORY LOADINGS AND AGE OF FUEL OR HLW AT EMPLACEMENT

PUBLISH
DATE
ABSTRACT

DOE Report RW-0006. Sept. 1984. p. 255-258.
84/09/00

Source terms and generic flow sheets used for waste are compiled. The effect of repository operation on inventories of spent fuel and high-level radioactive graphically depicted.
WASTE CHARACTERIZATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE

Forsyth, R. (ed.)

ORGANIZATION

TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE

Swedish Nuclear Fuel and Waste Management Co., Stock
Studsvik Energiteknik ab, Nykoeping, (Sweden).

FUEL ROD D07/B15 FROM RINGHALS 2 PWR: SOURCE MATERIA
CORROSION/LEACH TESTS IN GROUNDWATER. FUEL ROD/PELLE
CHARACTERIZATION PROGRAM. PT.1.

March 1987. 107 p.
87/03/00

A joint skb/studsvik experimental program to determi
corrosion rates and to establish the corrosion mecha
spent u02 fuel in groundwater under both oxidizing a
conditions is in progress in the hot cell laboratory
WASTE CHARACTERIZATION: corrosion, leaching.

Mitchell, D.E.
priv

Westinghouse Hanford Co. WA (USA).
HANFORD WASTE VITRIFICATION PLANT PRELIMINARY DESCR
WASTE FORM AND CANISTER.

September, 1987. 37 p.
87/09/00

This description is limited to information that desc
physical and chemical characteristics of the expecte
waste form.

WASTE CHARACTERIZATION: containment, glass.

Wood, D.E.; Campbell, M.H.; Shupe, M.W. (Rockwell Ha
Operations, Richland , WA).
priv

EG and G Idaho, Inc., Idaho Falls (USA).
IMPACTS AND RAMIFICATIONS OF DEFINING HIGH-LEVEL WAS
P. 10-17. Proceedings of the 8th Annual DOE Low-Leve
Management Forum: Technical Session 5, Performance A
Feb. 1987.

87/02/00

The Nuclear Regulatory Commission is considering rul
provide a concentration-based definition of high-lev
under authority derived from the Nuclear Waste Polic
1982 and the Low-Level Waste Policy Amendments Act o
WASTE CHARACTERIZATION:

Wood, D.E.; Campbell, M.H.; Shupe, M.W. (Rockwell Ha
Operations, Richland, WA); Post, R.G. (ed.).

ORGANIZATION
TITLE
PUBLISH

IMPACTS AND RAMIFICATIONS OF DEFINING HIGH-LEVEL WASTE
p. 319-322. Waste Management '87: Waste Isolation in

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Technical Programs, and Public Education. Tucson, AZ
Arizona Nuclear Engineering Dept. 1987.
87/00/00
Several possible classification systems have been de
characteristics of each are discussed.
WASTE CHARACTERIZATION:

AUTHOR
TYPE
ORGANIZATION
TITLE

govt
Oak Ridge National Lab. TN (USA).
INTEGRATED DATABASE FOR 1987: SPENT FUEL AND RADIOAC
INVENTORIES, PROJECTIONS, AND CHARACTERISTICS.
September 1987. 286 p.

PUBLISH
DATE
ABSTRACT

87/09/00
The integrated data base program has compiled curren
inventories and characteristics of commercial spent
both commercial and govt -owned radioactive wastes t
31, 1986.
WASTE CHARACTERIZATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Numark, N.J. (International Energy Associates Ltd.,
Post, R.G. (ed.)
priv

DATE
ABSTRACT

INTERNATIONAL COMPARISON OF HIGH-LEVEL WASTE DISPOSAL
P. 453-456. Waste Management '87: Waste Isolation in
Technical Programs, and Public Education. Tucson, AZ
of Arizona Nuclear Engineering Dept. 1987.
87/00/00

KEYWORDS
LOCATION
REFERENCE

This paper surveys the characteristics and status of
of high-level waste disposal criteria in five countr
Canada, F.R.G., Sweden, and Switzerland.
WASTE CHARACTERIZATION:

AUTHOR
TYPE
ORGANIZATION
TITLE

LONG-TERM RADIOTOXICITY OF HIGH-LEVEL WASTES AND SPE
PRODUCED BY LIGHT WATER REACTORS: IMPACT OF BURN-UP
AND OF THE USE OF MIXED OXIDE FUELS.

PUBLISH

Radioactive Waste Management & the Nuclear Fuel Cycle
1987. V. 8(1) p. 1-22.

DATE
ABSTRACT
KEYWORDS
LOCATION

87/00/00

WASTE CHARACTERIZATION:

REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

Johnson, A.N.; Prisco, A.J.

METHOD FOR SORTING RADIOACTIVE WASTE.
3 March 1987. VP
87/03/03

A method is described for continuously sorting radioactive material from nonradioactive material.
WASTE CHARACTERIZATION:

AUTHOR

TYPE
ORGANIZATION
TITLE

Tessler, G.; Beaudoin, B.R.; Beggs, W.J.; Freeman, I. W.C. Jr.

PUBLISH
DATE
ABSTRACT

Bettis Atomic Power Lab. West Mifflin, PA (USA).
NONDESTRUCTIVE ASSAY OF SPENT FUEL RODS FROM A LIGHT BREEDER REACTOR (LWBR DEVELOPMENT PROGRAM).
September 1987. 262 p.
87/09/00

A review of PIFAG operations is given, including hot operations, calibration, assay operations, and methods to monitor the data quality and verify the precision and accuracy of the data.

WASTE CHARACTERIZATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Neuder, S.M.; Kennedy, W.E. Jr.
govt

PUBLISH
DATE
ABSTRACT

Nuclear Regulatory Commission, Washington, DC (USA).
ONSITE DISPOSAL OF RADIOACTIVE WASTE: METHODOLOGY FOR RADIOLOGICAL ASSESSMENT OF DISPOSAL BY SUBSURFACE BURIAL
Feb 1987. 47 p.
87/02/00

This volume describes the criteria and technical methods used by NRC staff to evaluate requests by licensees for a onsite disposal by burial in soil. Licensee-proposed activities are evaluated in terms of radiological impacts on public health and safety and the environment.

WASTE CHARACTERIZATION: health, safety analysis.

KEYWORDS
LOCATION
REFERENCE

AUTHOR

TYPE
ORGANIZATION
TITLE

Brodda, B.G.; Merz, E.R. (Inst. of Chemical Technology Research Centre, Julich, Germany, F.R.)
acad

PERMEABILITY OF HTR FUEL ELEMENT GRAPHITE FOR TECHNICAL AND NEPTUNIUM.

PUBLISH
DATE
ABSTRACT

Am. Ceram. Soc. Bull. August 1987. V.66(8) P. 1262-1266
87/08/00
Spent fuel from the operating German high-temperature reactor THTR-300 will not be reprocessed but stored in a repository after suitable conditioning.

KEYWORDS	WASTE CHARACTERIZATION:
LOCATION	
REFERENCE	
AUTHOR	Sales, B.C.; Boatner, L.A.
TYPE	govt
ORGANIZATION	Oak Ridge National Lab. TN (USA).
TITLE	PHYSICAL AND CHEMICAL CHARACTERISTICS OF LEAD-IRON P NUCLEAR WASTE GLASSES.
PUBLISH	1985. 61 p.
DATE	85/00/00
ABSTRACT	
KEYWORDS	WASTE CHARACTERIZATION: glass.
LOCATION	
REFERENCE	
AUTHOR	Ramsay, J.D.F.; Avery, R.G.; Russell, P.J. (UKAEA At Research Establishment, Harwell)
TYPE	
ORGANIZATION	Technische Univ. Muenchen, Garching, Germany, F.R. I Radiochemie; Commission of the European Communities, (Belgium).
TITLE	PHYSICAL CHARACTERISTICS AND SORPTION BEHAVIOR OF CO GENERATED FROM CEMENTITIOUS SYSTEMS.
PUBLISH	P. 19. Chemistry and Migration Behavior of Actinides Products in the Geosphere. Abstracts. 1987. 196 p.
DATE	87/00/00
ABSTRACT	Published in summary form only.
KEYWORDS	WASTE CHARACTERIZATION: cement.
LOCATION	
REFERENCE	
AUTHOR	Kuechle, M.; Wuerz, H.; Ottmar, H. (Kernforschungsze Karlsruhe G.M.B.H.)
TYPE	
ORGANIZATION	
TITLE	PLUTONIUM ASSAYS IN WASTE DRUMS. (in German)
PUBLISH	Atomwirtsch., Atomtech. April 1988. V.33(4) p. 181-1
DATE	88/04/00
ABSTRACT	Methods in which the drum is opened and the sample a chemically are able to detect plutonium quantities in submilligram range, but are too time consuming for r application and raise problems in sampling heterogen For this reason, those methods of measurement are pr which the radiation emitted by the sample is measure surface of the drum.
KEYWORDS	WASTE CHARACTERIZATION:
LOCATION	
REFERENCE	
AUTHOR	Hall, A.R. (UKAEA Atomic Energy Research Establishme Chemistry Div.) (ed.)
TYPE	assoc
ORGANIZATION	Commission of the European Communities, Brussels, (B
TITLE	RADIATION STABILITY (A.E.R.E.)
PUBLISH	P. 309-319. Testing and Evaluation of Solidified Hig Radioactive Waste. London, UK. Graham and Trotman Lt p. Radioactive Waste Management Series.
DATE	87/00/00
ABSTRACT	It has been pointed out by various authors that the cause of any radiation effects in the vitrified wast

KEYWORDS
LOCATION
REFERENCE

beta and gamma radiation from the fission products & alpha-decays of the incorporated actinides.
WASTE CHARACTERIZATION: glass.

AUTHOR
TYPE
ORGANIZATION
TITLE

Watanabe, T.
priv
EG and G Idaho, Inc. Idaho Falls, (USA).
RADIOACTIVE SOLID WASTE INVENTORIES AT UNITED STATES OF ENERGY BURIAL AND STORAGE SITES.

PUBLISH
DATE
ABSTRACT

June 1987. 85 p.
87/06/00
Radioactive solid waste inventories are given for US and storage sites. These data are obtained from the information management system. (SWIMS)
WASTE CHARACTERIZATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Brennecke, P.; Schumacher, J.; Warnecke, E.
acad
Physikalisch-Technische Bundesanstalt, (FRG).
RADIOACTIVE WASTES WITH NEGLIGIBLE HEAT GENERATION S DISPOSAL.

PUBLISH
DATE
ABSTRACT

Kerntechnik. Sep. 1987. V. 51(2) p. 98-103.
87/09/00
It is planned to dispose of radioactive wastes with heat generation in the Konrad Repository. This report the evaluation of waste packages for disposal.
WASTE CHARACTERIZATION: disposal and storage alterna

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Roddy, J.W.; Mailen, J.C.
govt
Oak Ridge National Lab. TN (USA).
RADIOLOGICAL CHARACTERISTICS OF LIGHT-WATER REACTOR

PUBLISH
DATE
ABSTRACT

LITERATURE SURVEY OF EXPERIMENTAL DATA.
December 1987. 59 p.
87/12/00
This survey brings together the experimentally determined light-water reactor spent fuel data comprising radio composition, decay heat, and photon and neutron generation as identified in a literature survey.
WASTE CHARACTERIZATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Siegel, M.D.; Erickson, K.L.
govt
Sandia National Lab. NM (USA).
RADIONUCLIDE RELEASES FROM A HYPOTHETICAL NUCLEAR WASTE REPOSITORY: POTENTIAL VIOLATIONS OF THE PROPOSED EPA RADIONUCLIDES WITH MULTIPLE AQUEOUS SPECIES (WASTE PROGRAMS, HIGH-LEVEL WASTE).
Waste Management Conference 1984. Tucson, AZ (USA).
1984. V. 1, p. 541-547.
84/03/00
A methodology is developed for identification of physicochemical conditions where chemical speciation of radionuclides

PUBLISH

DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

considered in radioactive waste repository risk assessment. An approximate transport model is introduced that bounds the effects of chemical speciation reactions such that maximum releases and discharges are easily calculated.
WASTE CHARACTERIZATION: modelling.

AUTHOR
TYPE
ORGANIZATION

Norris, G.H.
priv/govt
Taywood Engineering Ltd. Winfrith (UK); Department of Environment. London (UK).

TITLE

REPORT ON CURRENT RESEARCH INTO ORGANIC MINERALS IN WASTE.

PUBLISH
DATE

November 1987. 25 p.
87/11/00

ABSTRACT

A preliminary view of relevant recent papers on organic minerals in radioactive waste is presented. In particular, the effects of chelating or complexing agents, the influence of background radiation, and the role of colloids are assessed.

KEYWORDS
LOCATION
REFERENCE

WASTE CHARACTERIZATION: chemistry.

AUTHOR
TYPE
ORGANIZATION

Law, A.G.; Serkowski, J.A.; Schatz, A.L.
priv/govt
Rockwell Hanford Operations, Rockwell International (USA).

TITLE

RESULTS OF THE SEPARATIONS AREA GROUNDWATER MONITORING

PUBLISH
DATE
ABSTRACT

FOR 1986.
July 1987. 204 p.
87/07/00

The separating area groundwater monitoring network consists of 137 wells. Samples from wells in the monitoring network are collected on a monthly, quarterly, or semiannual schedule. Samples were analyzed selectively for total alpha, total beta, tritium, 90SR, 137CS, 60CO, 106Ru, total uranium and total plutonium.
WASTE CHARACTERIZATION: groundwater.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

Montague, D.F.; Holton, G.A.; King, C.M.; Marter, W.
assoc
American Institute of Chemical Engineers. (USA).
RISK ASSESSMENT OF SOIL CONTAMINATION CRITERIA.
American Institute of Chemical Engineers. 1987. 25 p.
87/00/00

Since waste sites have many different wastes, some of which occur at such low levels as not to be significant, it is impractical to analyze every contaminant present. It is therefore necessary to develop a way to screen out the most significant risk contributors in order to focus resources on the principal contributors.

KEYWORDS
LOCATION
REFERENCE

WASTE CHARACTERIZATION: safety analysis.

AUTHOR
TYPE
ORGANIZATION
TITLE

priv
Rockwell International Corp. Richland, WA (USA).
SINGLE-SHELL TANK WASTE CHARACTERIZATION PLAN.

PUBLISH
DATE
ABSTRACT

Mar 1987. 37 p.
87/03/00
The 200 east and west chemical processing areas of the site contain 149 underground single-shell tanks. Knowing the quantities of radionuclides and hazardous chemical defence waste stored in these tanks is needed to support final disposal actions.
WASTE CHARACTERIZATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Watanabe, T.
priv
EG and G Idaho, Inc., Idaho Falls, (USA).
SOLID WASTE INFORMATION MANAGEMENT SYSTEM (SWIMS) DATA CALENDAR YEAR 1986.

PUBLISH
DATE
ABSTRACT
KEYWORDS

July 1987. 219 p.
87/07/00
SWIMS is a DOE information system for radioactive solid waste characterization:
WASTE CHARACTERIZATION:

LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Uziemblo, N.H.; Thomas, L.E.; Schoenlein, L.H.; Masterson, E.D. (Westinghouse Hanford Co., Richmond, WA)
priv
Argonne National Lab. IL (USA).
SOLIDS CHARACTERIZATION FROM HYDROTHERMAL TESTS WITH P. 161-171. Scientific Basis for Nuclear Waste Management, Pittsburgh, PA (USA). Materials Research Society. 1987/00/00

DATE
ABSTRACT

Reacted solids from 2000°C, 25 MPA tests with spent reactor fuel and other component materials of a high level nuclear waste repository in basalt were analyzed by electron microscopy, x-ray powder diffractometry, transmission electron diffraction, auger electron spectrometry, and microautoradiography.
WASTE CHARACTERIZATION: basalt.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

govt
DOE Report. (USA).
SPENT FUEL AND HIGH-LEVEL WASTE.
DOE Report RW-0006. Sept. 1984. p. 17-106.
84/00/00
Current inventories (1984) of spent reactor fuel and radwaste are surveyed. Tabulated data also project future inventories of these radioactive waste forms for the years 1995-2020.
WASTE CHARACTERIZATION:

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

Johnson, L.H.; Shoesmith, D.W.; Stroes-Gascoyne, S.
govt
Atomic Energy of Canada Limited.
SPENT FUEL: CHARACTERIZATION STUDIES AND DISSOLUTION UNDER DISPOSAL CONDITIONS.
Reprinted from Materials Research Society Symposia P

DATE	(1988) 112:99-113.
ABSTRACT	88/00/00
KEYWORDS	WASTE CHARACTERIZATION: dissolution.
LOCATION	
REFERENCE	
AUTHOR	Mellinger, G.B. (Materials Characterization Centre, Northwest Lab., Richland, WA)
TYPE	Post, R.G. (ed.) priv
ORGANIZATION	
TITLE	STANDARDIZED TEST METHODS FOR USE IN WASTE COMPLIANC
PUBLISH	THE DEPARTMENT OF ENERGY'S WASTE ACCEPTANCE PROCESS. P. 555-560. Waste Management '87: Waste Isolation in Technical Programs, and Public Education. Tucson, AZ of Arizona Nuclear Engineering Dept. 1987.; P. 483-4 Scientific Basis for Nuclear Waste Management X. Pit (USA). Materials Research Society. 1987.
DATE	87/00/00
ABSTRACT	High-level waste form producers will be required to compliance with a number of acceptance specification disposal of their waste forms at a geologic repository specifications are briefly discussed, and standardiz that appear to be suitable for use in the compliance identified.
KEYWORDS	WASTE CHARACTERIZATION: regulations, geologic dispos
LOCATION	
REFERENCE	
AUTHOR	Stegmaier, W.
TYPE	
ORGANIZATION	Kernforschungszentrum Karlsruhe G.M.B.H., Germany, F Hauptabteilung Dekontaminationsbetriebe.
TITLE	TESTING OF THE PERMISSIBLE INVENTORIES IN RADIOACTIV PACKAGES. (in German)
PUBLISH	1988. 53 p.
DATE	88/00/00
ABSTRACT	The inventories of radionuclides in waste packages w be stored in repositories are determined in the wast requirements of the repository and in the act on tra dangerous goods. In this report limiting values of r radionuclides are given in such a way that it is pos them in a standarized manner.
KEYWORDS	WASTE CHARACTERIZATION:
LOCATION	
REFERENCE	
AUTHOR	Shepherd, J.; Harrison, J.; McNicolas, P. (UKAEA Ris Power Development Establishment)
TYPE	
ORGANIZATION	United Kingdom Nirex, Ltd.; Department of the Enviro (UK).
TITLE	THE 1986 UNITED KINGDOM RADIOACTIVE WASTE INVENTORY.
PUBLISH	November 1987. 22 p.
DATE	87/11/00
ABSTRACT	This report gives information on the radioactive was arise in the United Kingdom.
KEYWORDS	WASTE CHARACTERIZATION:
LOCATION	
REFERENCE	

AUTHOR

|Holland, T.R.; Howard, C.G.; Lee, D.J.

TYPE
ORGANIZATION

TITLE

PUBLISH

DATE

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

UKAEA Atomic Energy Establishment, Winfrith.; Depart
Environment, London, (UK).

THE CHARACTERIZATION AND IMMOBILIZATION OF WINFRITH
WASTES. ANNUAL REPORT- SEPTEMBER 1986.

February 1987. 53 p.

87/02/00

This paper summarizes the progress made in the twelve
Sept. 1986 on the DOE funded programme for the immob
Winfrith reactor wastes.

WASTE CHARACTERIZATION:

AUTHOR

TYPE

ORGANIZATION

TITLE

PUBLISH

DATE

ABSTRACT

McNair, G.W.; Cashwell, J.W.

govt

Battelle Pacific Northwest Lab. WA (USA); Sandia Nat
(USA).

THE CHARACTERIZATION OF SPENT FUEL TO BE SHIPPED TO
SITE (WASTE POLICIES AND PROGRAMS, HIGH-LEVEL WASTE)
Waste Management Conference 1984. Tucson, AZ (USA).
1984. V. 1, p. 475-481.

84/03/00

Radioactive waste storage and disposal facilities ar
estimate the thermal loading on their facilities fro
receipt of various spent fuel quantities. A logistic
developed to analyze the interaction of the various
within the radioactive waste disposal system. Using
historic and projected discharges, the model is used
characteristics of spent fuel to be shipped to geolo
sites.

WASTE CHARACTERIZATION: geologic disposal, modelling

KEYWORDS

LOCATION

REFERENCE

AUTHOR

TYPE

ORGANIZATION

TITLE

PUBLISH

DATE

ABSTRACT

KEYWORDS

LOCATION

REFERENCE

Klein, J.A.

govt

Oak Ridge National Lab. TN (USA).

THE INTEGRATED DATA BASE PROGRAM: AN EXECUTIVE-LEVEL
SPENT FUEL AND RADIOACTIVE WASTE INVENTORIES, PROJEC
CHARACTERISTICS.

January 1987. 7 p.

87/01/00

The integrated data base is the official US DOE data
spent fuel and radioactive waste inventories and pro

WASTE CHARACTERIZATION:

AUTHOR

TYPE

ORGANIZATION

assoc

International Atomic Energy Agency. Vienna (Austria)

TITLE	THE OCEANOGRAPHIC AND RADIOLOGICAL BASIS FOR THE DEF
PUBLISH	HIGH-LEVEL RADIOACTIVE WASTES UNSUITABLE FOR DUMPING
DATE	Safety Series No. 66. 50 p.
ABSTRACT	84/00/00
KEYWORDS	WASTE CHARACTERIZATION: safety analysis, marine disp
LOCATION	international.
REFERENCE	
AUTHOR	Herbert, T.L.; Meshkov, N.K. (Energy and Environment
TYPE	Div., Argonne National Lab., Argonne, IL)
ORGANIZATION	govt
TITLE	WASTE ACCEPTANCE CRITERIA FOR RADIOACTIVE WASTE DISP
PUBLISH	P. 297-304. Waste Management '87: Waste Isolation in
DATE	Technical Programs, and Public Education. Tucson, AZ
ABSTRACT	Arizona Nuclear Engineering Dept. 1987.
KEYWORDS	87/00/00
LOCATION	A method has been developed for establishing waste-a
REFERENCE	criteria based on quantitative performance factors t
	characterize the confinement capabilities of a dispo
	for radioactive waste.
	WASTE CHARACTERIZATION:
AUTHOR	Luksic, A.
TYPE	govt
ORGANIZATION	Pacific Northwest Lab. WA (USA).
TITLE	WASTE CHARACTERIZATION: NON-FUEL BEARING.
PUBLISH	Spent Fuel Storage Technical Exchange. p. 286-294.
DATE	87/00/00
ABSTRACT	Published in summary form only. Available from NTIS,
KEYWORDS	A01 as DE87012683.
LOCATION	WASTE CHARACTERIZATION:
REFERENCE	
AUTHOR	Saverot, P.; Sombret, C. (CEA, Paris, FR).
TYPE	
ORGANIZATION	
TITLE	WASTE FROM QUALIFICATION PROGRAM REVIEW.
PUBLISH	Trans. Am. Nucl. Soc., 1987, V.54 P.61-63.
DATE	87/00/00
ABSTRACT	To meet waste acceptance specifications, it is neces
KEYWORDS	demonstrate that the glass produced at the site is s
LOCATION	long-term disposal.
REFERENCE	WASTE CHARACTERIZATION: glass.
AUTHOR	McVay, C.; Hoffman, D. (West Valley Nuclear Services
TYPE	NY)
ORGANIZATION	priv
TITLE	WEST VALLEY UPGRADES ITS MULTICOMPONENT ASSAY SYSTEM
PUBLISH	Nucl. Eng. Int. Febuary 1988. V. 33(403) P.51-52.

DATE
ABSTRACT

88/02/00

The wastes generated at the West Valley Demonstration vary widely both in radionuclide content and physical characteristics. Multicomponent systems have been developed to assay and to classify all types of radioactive waste in conformance with regulations.
WASTE CHARACTERIZATION: regulations.

KEYWORDS
LOCATION
REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

Wicks, G.G.; Weinle, M.E.; Molecke, M.A.
priv

Du Pont de Nemours (E.I.) and Co., Aiken, SC (USA).
WIPP (WASTE ISOLATION PILOT PLANT)/SRL IN SITU TESTS
PICTORIAL HISTORY OF MIIT (MATERIALS INTERFACE INTERFACIAL TESTS) AND FINAL MIIT MATRICES, ASSEMBLIES, AND SAMPLES
Jan 1987. 244 p.

PUBLISH
DATE
ABSTRACT

87/01/00

The Savannah River Laboratory (SRL) is currently involved in joint programs involving field testing of SRP waste in Belgium, and the United Kingdom. Most recently, this effort has been expanded to include the first field testing conducted in the United States. This document represents the second in this series and its objectives include: (1) a pictorial history of assembly and installation of metals, and geologic samples in WIPP; (2) providing and completed sample matrices for the entire 7-part program; (3) documenting final sample assemblies by schematic drawings.

KEYWORDS
LOCATION
REFERENCE

WASTE CHARACTERIZATION: international.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

anon
govt

Pacific Northwest Lab. WA (USA).
WORKSHOP ON NON-FUEL BEARING COMPONENTS.
Spent Fuel Storage Technical Exchange. p. 282-285.
87/00/00

The definition of wastes was a concern presented.
WASTE CHARACTERIZATION:

AUTHOR
TYPE

Szajman, J.; Smart, R.S.C.; Myhra, S.
acad

ORGANIZATION
TITLE

Griffith University. (Australia).
X-RAY PHOTOELECTRON SPECTROSCOPY STUDIES OF VALENCE
CESIUM AND URANIUM IN SYNROC C.

PUBLISH
DATE
ABSTRACT

Surf. Coat. Tech. May 1987. V. 30(4) p. 333-342.
87/05/00

Small quantities of lanthanides and actinides have been used in the synroc precursor slurry as part simulation of high level nuclear waste species.

KEYWORDS
LOCATION
REFERENCE

WASTE CHARACTERIZATION: chemistry.

AUTHOR	Hunter, I.J.; Old, M.J.; Salmon, A.
TYPE	
ORGANIZATION	
TITLE	A HIGH-LEVEL WASTE STORAGE AND TRANSPORT CASK.
PUBLISH	Proceedings of the Symposium on Waste Management. Tu Arizona. Feb 3-March 28, 1988. V. II - High-level Wa General Interest. p. 73-78.
DATE	88/03/00
ABSTRACT	
KEYWORDS	TRANSPORT: cask.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	govt
ORGANIZATION	Nuclear Waste Project Office, State of Nevada Agency Projects.(USA).
TITLE	A REPORT ON HIGH-LEVEL NUCLEAR WASTE TRANSPORTATION.
PUBLISH	Carson City, December,1988, 120pp. plus appendix
DATE	88/12/00
ABSTRACT	Reviews DOE's statutory requirements, repository tra program and plans, major issues of policy concern to of Nevada. Describes the regulatory environment and the issues which need to be resolved in order to min and adverse impacts. Outlines a plan for the study management of repository-related transportation, inc technical reviews, institutional relationships, poli program management and regulatory studies.
KEYWORDS	TRANSPORT: risk analysis, policy and administration.
LOCATION	Capitol Complex, Carson City, Nevada 89710
REFERENCE	NFW 2.2-24-2
AUTHOR	Jim, R.; Stevens, D.W.
TYPE	govt
ORGANIZATION	Yakima Indian Nation, Nuclear Waste Grant Program. (
TITLE	ACHEIVING GREATER PUBLIC CONFIDENCE IN THE APPLICATI TRANSPORTATION POLICIES AND PROGRAMS.
PUBLISH	Waste Management '87: Waste Isolation in the US, Tec Programs and Public Education. Tucson, AZ, (USA). Un Arizona Nuclear Engineering Dept. 1987. p. 207-210.
DATE	87/00/00
ABSTRACT	Affected Indian tribes hold that transportation poli activities are critical to all stages of the program concerned that the lessening of public confidence br question the ability of DOE to sucessfully carry out congressionally directed effort to find two suitable national repositories.
KEYWORDS	TRANSPORT: waste handling and emplacement, native.
LOCATION	
REFERENCE	
AUTHOR	Woodbury, David (Wisconsin Department of Natural Res
TYPE	govt
ORGANIZATION	Wisconsin Radioactive Waste Review Board. (USA).
TITLE	AN ANALYSIS OF WHAT CONSIDERATIONS SHOULD BE MADE IN TRANSPORTATION OF HIGH-LEVEL RADIOACTIVE WASTE ON A

PUBLISH
DATE
ABSTRACT

BASIS.

Madison, April, 1984, 11pp plus appendix
84/04/04/

Suggests a preliminary conceptual model for use in a region's transportation systems including five variable regulations, shipments, liability, cask design, physical factors.

TRANSPORT: regulations, cask.

KEYWORDS
LOCATION
REFERENCE

NFW 2.2-24-4

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT

assoc

The Intercraft Association of Minnesota. (USA).
BN'S NUCLEAR TRAIN, FACTS EVERY RAIL WORKER SHOULD KNOW
ICAM, Minneapolis, 1985, 2pp.

85/00/00

Rail union pamphlet on radioactive waste rail shipment potential hazard to rail workers.

TRANSPORT:

KEYWORDS
LOCATION
REFERENCE

anne

AUTHOR
TYPE
ORGANIZATION
TITLE

Halstead, Bob.

govt

Wisconsin Division of State Energy. (USA).
COMMENTS ON 1977 SANDIA FILM OF SPENT NUCLEAR FUEL STORAGE
CRASH TESTS.

PUBLISH
DATE
ABSTRACT

State of Wisconsin, memo. January, 1986. 3pp.
86/01/06

Critiques U.S. Nuclear industry film of crash tests on spent fuel shipping casks. Factors such as cost and the need for repeatability prevented adequate tests being carried out. Cites peer comments indicating that films are used in a misleading way as public relations
TRANSPORT: cask, safety analysis.

KEYWORDS
LOCATION
REFERENCE

anne

AUTHOR
TYPE
ORGANIZATION
TITLE

priv

Westinghouse Electric Corp. NM (USA).
DATA PACKAGE FORMAT FOR CERTIFIED TRANSURANIC WASTE
ISOLATION PILOT PLANT: REVISION 2.

PUBLISH
DATE
ABSTRACT

Jan. 1989. 30 p.

89/01/00

These instructions have been prepared as a reference for those personnel responsible for the transmission of

KEYWORDS
LOCATION
REFERENCE

package to the WIPP. For those sites having automated processing systems available for use, it should be used that the shipper's computer system will be used to provide information into the specified format for transmission
TRANSPORT:

AUTHOR
TYPE
ORGANIZATION
TITLE

Barrett, L.H.

govt

USDOE Office of Civilian Radioactive Waste Management
Washington, DC (USA).
DEVELOPMENT OF THE HIGH LEVEL RADIOACTIVE WASTE TRANSPORT

PUBLISH	SYSTEM IN THE UNITED STATES OF AMERICA: TECHNICAL AND INSTITUTIONAL ASPECTS.
DATE	Proceedings of an International Symposium on the Back Nuclear Fuel Cycle: Strategies and Options. Jointly the International Atomic Energy Agency and the Nuclear Agency of the OECD and held in Vienna, 11-15 May 1987/05/00
ABSTRACT	A review is given of the programme that the US DOE Nuclear Civilian Radioactive Waste Management is developing the availability of a safe, efficient transportation shipping spent nuclear fuel and high level radioactive storage and disposal facilities.
KEYWORDS	TRANSPORT: waste management.
LOCATION	
REFERENCE	
AUTHOR	Berger, H.U.
TYPE	govt
ORGANIZATION	Kernforschungszentrum Karlsruhe G.M.B.H. (FRG).
TITLE	DIRECTIONS FOR THE CHOICE OF THE TRANSPORT MODALITIES TRANSPORT OF RADIOACTIVE MATERIALS ON PUBLIC ROADS.
PUBLISH	July 1987. 395 p.
DATE	87/07/00
ABSTRACT	This report shall be a help for scientific and technical personnel of the nuclear research center in the choice modalities of the transport of radioactive materials roads in accordance to regulations and authorization
KEYWORDS	TRANSPORT: regulations.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc
ORGANIZATION	Badger Safe Energy Alliance, et.al.
TITLE	DISASTER ON THE TRACKS? NUCLEAR WASTE THROUGH OUR TO
PUBLISH	Badger Safe Energy Alliance, et.al. Minneapolis
DATE	
ABSTRACT	Information brochure protesting nuclear waste shipment Monticello nuclear reactor to a storage facility in
KEYWORDS	Discusses routes, shipping casks, accident scenarios alternatives.
LOCATION	TRANSPORT: risk analysis, cask.
REFERENCE	anne
AUTHOR	
TYPE	assoc
ORGANIZATION	Radioactive Waste Campaign.
TITLE	FACT SHEET ON SPENT FUEL SHIPPING CASKS.
PUBLISH	R.W.C. New York,
DATE	
ABSTRACT	Describes shipping casks in use in the U.S. and data problems associated with safety testing, especially requirements. Analyzes possible consequences of accidents adequately covered by the tests.
KEYWORDS	TRANSPORT: cask.
LOCATION	R.W.C. 625 Broadway, New York, New York 10012
REFERENCE	anne
AUTHOR	
TYPE	priv/govt

ORGANIZATION
TITLE

PUBLISH

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Ontario Hydro. (Canada).
FIELD GUIDE FOR ONTARIO HYDRO SHIPMENTS INVOLVING R
MATERIAL.
Radioactivity Management & Environmental Protection
Ontario Hydro, 1987. 47 p.
87/00/00

TRANSPORT: safety analysis.

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

govt

GUIDELINES FOR SELECTING PREFERRED HIGHWAY ROUTES F
ROUTE CONTROLLED QUANTITY SHIPMENTS OF RADIOACTIVE M
DOT Report RSPA/MTB-84/22. June 1984. 89 p.
84/06/00
Guidelines are presented for use by state officials
preferred routes for highway controlled quantity shi
radioactive materials. A methodolog for analyzing ar
safety factors of alternative routes is described.
TRANSPORT: policy and administration.

AUTHOR
TYPE
ORGANIZATION
TITLE

acad

HAVE WASTE, WILL TRAVEL: AN EXAMINATION OF THE IMPLI

PUBLISH

DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

HIGH-LEVEL NUCLEAR WASTE TRANSPORTATION.
University of Colorado Natural Hazard Research Report
1987. 156 p.
87/07/00

TRANSPORT:

AUTHOR
TYPE
ORGANIZATION
TITLE

PUBLISH
DATE
ABSTRACT

KEYWORDS
LOCATION
REFERENCE

Millar, Fred
assoc
Environmental Policy Institute. (USA).
HIGH-LEVEL NUCLEAR WASTE FUNNELS THROUGH THE WEST:
"CORRIDOR CITIES AND STATES" CAN DO.
EPI, Washington, DC, October, 1984, 8pp.
84/10/00
Nuclear waste transportation routes to a deep, geolo
repository in the West would mean that some cities a
would form transportation corridors through which wa
shipments will pass. A necessary criterion in site
consideration of transport routes. Suggests ways in
states and localities can influence transportation d
including new laws requiring safest possible routes,
emergency response mechanisms, etc. Calls for a sta
mechanism for joint decision-making on transportatio
TRANSPORT:
EPI, 218 D St.SE. Washington, DC. 20003, U.S.A
anne

AUTHOR
TYPE

Joy, D.S.; Shappert, L.B.; Boyle, J.W.
govt

ORGANIZATION	Oak Ridge National Lab. TN (USA).
TITLE	IMPACT OF TRANSPORTING DEFENCE HIGH-LEVEL WASTE TO A REPOSITORY.
PUBLISH	1984. 40 p.
DATE	84/00/00
ABSTRACT	
KEYWORDS	TRANSPORT: geologic disposal.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	IRRADIATED FUEL TRANSPORTATION ROAD CASK PROJECT: PU ATTITUDES.
PUBLISH	1984. 1 V.
DATE	84/00/00
ABSTRACT	
KEYWORDS	TRANSPORT: containment, public participation.
LOCATION	
REFERENCE	
AUTHOR	LaGrone, Don H.
TYPE	assoc
ORGANIZATION	Mississippi State Medical Association. (USA).
TITLE	LETTER TO LEONARD A. SAGAN, M.D.
PUBLISH	Biloxi, Mississippi, August, 1984, 4pp.
DATE	84/08/20
ABSTRACT	Letter explaining the position taken by the Mississippi Medical Association against the transportation and storage of high-level nuclear wastes in Mississippi, on medical grounds.
KEYWORDS	TRANSPORT: health, ethics.
LOCATION	Coastal Medical Center, Gateway Executive Park, Biloxi, Mississippi. 39531
REFERENCE	anne
AUTHOR	Brown, Omer F.
TYPE	priv
ORGANIZATION	Schaffer and Brown
TITLE	LIABILITY ISSUES IN NUCLEAR TRANSPORTATION.
PUBLISH	Paper for seminar on packaging and transportation of waste materials, Institute of Nuclear Materials Management, April, 1984, 13pp.
DATE	84/04/00
ABSTRACT	Discusses liability and indemnity for nuclear plants and transportation. Explains the Price-Anderson Act, trust funds for compensatory damage awards and environmental clean-up (especially with respect to the Karen Silkwood case)
KEYWORDS	TRANSPORT: legislation.
LOCATION	Radioactive Waste Campaign, 625 Broadway, New York, New York, 10012
REFERENCE	anne
AUTHOR	Millar, Fred.
TYPE	assoc
ORGANIZATION	Environmental Policy Institute. (USA).
TITLE	MODEL ORDINANCE; TRANSPORTATION OF HAZARDOUS (INCLUDING RADIOACTIVE) MATERIALS AND WASTES.
PUBLISH	Environmental Policy Institute, Washington, D.C., June 1985
DATE	85/06/00

ABSTRACT

Model of an ordinance which could be enacted by a local government in the U.S. to regulate the transport of and radioactive material, includes a summary of the TRANSPORT: legislation, regulations.
Environmental Policy Institute, 218 D St. SE, Washington 20003.
anne

KEYWORDS
LOCATION

REFERENCE

AUTHOR
TYPE
ORGANIZATION
TITLE

media

MORE CANADIAN NUCLEAR WASTE TO US.

PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

Halifax Chronicle Herald, Oct. 4, 1984. p. 5.
84/10/04

TRANSPORT:

AUTHOR
TYPE
ORGANIZATION
TITLE

Row, T.; Croff, A.G.
govt

Oak Ridge National Lab. TN (USA).
MRS (MONITORED RETRIEVABLE STORAGE) TO TRANSPORTATION INTERFACES.
1987. 21 p.

PUBLISH
DATE
ABSTRACT

87/00/00
The US DOE presentation to Congress of the proposal and operate a facility for the MRS of spent fuel at the Clinch River, Roane County, is discussed. All aspects are covered.

KEYWORDS
LOCATION
REFERENCE

TRANSPORT: retrieval.

AUTHOR
TYPE
ORGANIZATION

Selling, H.A.
govt

TITLE

Ministere Van Volkshuisvesting ruimtelijke ordening Milieubeheer. (Netherlands).
MUTUAL EMERGENCY ASSISTANCE IN THE EVENT OF AN ACCIDENT TRANSPORT OF RADIOACTIVE MATERIALS WITHIN THE MEMBER STATES OF THE EUROPEAN COMMUNITY.

PUBLISH
DATE
ABSTRACT

CEC Report EUR 9133 EN. 1984. 51 p.
84/00/00

Information on emergency response plans for nuclear accidents in the ten countries of the European Community is presented. Transportation, member state assistance, international incompatibilities and mutual cooperation are all discussed.
TRANSPORT: international.

KEYWORDS
LOCATION
REFERENCEAUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH

assoc

Badger Safe Energy Alliance, et.al.(USA).
NEWS ARTICLES ON RADIOACTIVE WASTE TRANSPORTATION.
Northern Sun News, Badger Safe Energy Alliance, North et.al. Minneapolis, 1984-1987

DATE
ABSTRACT

87/00/00
Newsletter articles on radioactive waste transportation in Minnesota and Wisconsin including citizens and state monitoring of radioactive emissions from shipments.

KEYWORDS
LOCATION
REFERENCE

TRANSPORT: public participation.

anne

AUTHOR

Mallory, C.W. (Westinghouse Hittman Nuclear Inc., Co Post, R.G . (ed.)

TYPE

priv

ORGANIZATION

TITLE

PUBLISH

OPTIMIZATION OF TRANSPORTABLE ON-SITE STORAGE MODULE P. 591-598. Waste Management '87: Waste Isolation in Technical Programs, and Public Education. Tucson, AZ of Arizona Nuclear Engineering Dept. 1987.

DATE

87/00/00

ABSTRACT

Transportable on-site storage modules were evaluated handling the wastes generated by nuclear power plant TRANSPORT: waste handling and emplacement, containme

KEYWORDS

LOCATION

REFERENCE

AUTHOR

TYPE

ORGANIZATION

TITLE

International Atomic Energy Agency. Vienna (Austria) PACKAGING AND TRANSPORTATION OF RADIOACTIVE MATERIAL '86). PROCEEDINGS OF AN INTERNATIONAL SYMPOSIUM ON T AND TRANSPORTATION OF RADIOACTIVE MATERIALS HELD IN June 1986.

PUBLISH

Vienna, Austria. IAEA. 1987. 634 p. Proceedings seri 87/00/00

DATE

ABSTRACT

In this volume the packaging and transport of spent radioactive materials is examined.

KEYWORDS

TRANSPORT: containment, risk analysis.

LOCATION

REFERENCE

AUTHOR

Neuhauser, K.S.; Cashwell, J.W.

TYPE

govt

ORGANIZATION

Sandia National Labs. NM (USA).

TITLE

PRELIMINARY COST AND RISK ANALYSIS FOR TRANSPORTING AND HIGH-LEVEL WASTES TO CANDIDATE REPOSITORY SITES. 1984. 55 p.

PUBLISH

84/00/00

DATE

ABSTRACT

TRANSPORT: economics, risk analysis.

KEYWORDS

LOCATION

REFERENCE

AUTHOR

TYPE

ORGANIZATION

govt

Battelle Memorial Inst. Columbus, OH. Office of Nucl Isolation.

TITLE

RAIL TRANSPORTATION CORRIDOR ANALYSIS REPORT: DEAF S LOCATION IN THE PALO DURO BASIN, TEXAS.

PUBLISH

Battelle Memorial Inst. Report ONWI-617. October 198 86/10/00

DATE

ABSTRACT

KEYWORDS
LOCATION
REFERENCE

TRANSPORT: safety analysis.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

assoc

RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS.
UN Report ST/SG/AC.10/1Rev4. 1986. 494 p.
86/00/00

TRANSPORT:

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

assoc

International Atomic Energy Agency. Vienna (Austria)
REGULATIONS FOR THE SAFE TRANSPORT OF RADIOACTIVE MA
SUPPLEMENT.

IAEA Safety Standards. Safety Series No. 6-Suppl 198
86/00/00

TRANSPORT: regulations, international.

AUTHOR
TYPE
ORGANIZATION
TITLE
PUBLISH
DATE
ABSTRACT
KEYWORDS
LOCATION
REFERENCE

assoc

International Atomic Energy Agency. Vienna (Austria)
REGULATIONS FOR THE SAFE TRANSPORT OF RADIOACTIVE MA
IAEA Safety Standards, Safety Series No. 6. 112 p.
85/00/00

TRANSPORT: regulations, international.

AUTHOR
TYPE
ORGANIZATION

govt

Office of Civilian Radioactive Waste Management, U.S.
of Energy.(USA).

TITLE

RESPONSES TO PUBLIC COMMENTS ON THE DRAFT TRANSPORTA
INSTITUTIONAL PLAN.

PUBLISH

U.S. Government Printing Office: 1986-491-176:40104,
86/00/00

DATE

ABSTRACT

Synopsis of comments received and responded to by OC
federal agencies, state, tribal and local government
utilities, transport industry and environmental grou
Comments cover conflict resolution, liability, cost,
jurisdictions, highway and rail routing, cask safety
emergency procedures.

KEYWORDS
LOCATION
REFERENCE

TRANSPORT: public participation, regulations.

anne

AUTHOR

Ridder, K.

TYPE	assoc
ORGANIZATION	
TITLE	SHIPMENTS OF RADIOACTIVE SUBSTANCES IN THE EC.
PUBLISH	Aug. 1987. 231 p.
DATE	87/08/00
ABSTRACT	In the early eighties, the European Communities saw discuss shipments of radioactive substances within t countries. The Energy Directorate Plant established experts in 1982 who were to deal with problems assoc shipments of radioactive waste.
KEYWORDS	TRANSPORT: international, safety analysis.
LOCATION	
REFERENCE	
AUTHOR	Millar, Fred.
TYPE	assoc
ORGANIZATION	Environmental Policy Institute. (USA).
TITLE	STATEMENT BEFORE THE SUBCOMMITTEE ON NUCLEAR REGULAT COMMITTEE ON ENVIRONMENT AND PUBLIC WORKS, U.S. SENA
PUBLISH	Environmental Policy Institute, Washington D.C, 1987
DATE	87/06/03
ABSTRACT	Discusses need for clear public policy directives, e preparedness and community "right to know" in transp nuclear and other hazardous wastes in the U.S. Previ accidents and responses could serve as important obj for future shipment of hazardous cargoes. Especiall with routing in relationship to populated areas.
KEYWORDS	TRANSPORT:
LOCATION	Environmental Policy Institute, 218 D St.SE, Washing
REFERENCE	20003 anne
AUTHOR	
TYPE	acad
ORGANIZATION	
TITLE	THE DOSE TO AN INDIVIDUAL AS A RESULT OF THE INCIDEN TRANSIT OF A SPENT FUEL TRANSPORT VEHICLE.
PUBLISH	Radioactive Waste Management & the Nuclear Fuel Cycl
DATE	1986. V. 7(3) p. 317-328.
ABSTRACT	86/08/00
KEYWORDS	TRANSPORT: health.
LOCATION	
REFERENCE	
AUTHOR	Tuler, Seth; Kasperson, Roger E.; Ratick, Samuel (Ce Technology, Environment and Development, Clark Unive

TYPE	acad
ORGANIZATION	Nuclear Waste Projects Office, State of Nevada Agenc Projects.(USA).
TITLE	THE EFFECTS OF HUMAN RELIABILITY IN THE TRANSPORTATI NUCLEAR FUEL.
PUBLISH	NWPO-SE-007-88, Carson City, June,1988, 115pp. plus
DATE	88/06/00
ABSTRACT	There has been no comprehensive analysis of human fa spent fuel transportation, although they may contrib significantly to both actual and perceived risks of The importance of these analyses increases with plan repository. Details a conceptual approach to such based on a socio-technical view of the transportatio on theories and methods from the field of human fact

KEYWORDS	Describes regulatory environment and risks, reviews
LOCATION	discusses application of approach and recommends ac
REFERENCE	reduction of risk.
	TRANSPORT: risk analysis.
	Capitol Complex, Carson City, Nevada 89710
	NFW 2.2-24-1
AUTHOR	Surrey, John (ed) (Energy Policy Program, Science P
TYPE	Unit, University of Sussex)
ORGANIZATION	acad
TITLE	THE URBAN TRANSPORTATION OF IRRADIATED FUEL.
PUBLISH	MacMillan, London,
DATE	?
ABSTRACT	Chapters on different aspects of transportation of
	fuel, especially in the urban context.
KEYWORDS	TRANSPORT:
LOCATION	
REFERENCE	anne
AUTHOR	
TYPE	priv/govt
ORGANIZATION	Ontario Hydro. (Canada).
TITLE	THERMAL TESTING OF A SIMULATED IRRADIATED FUEL TRAN
	CASK UNDER NORMAL OPERATING CONDITIONS.
PUBLISH	1984. 33 P.
DATE	84/00/00
ABSTRACT	
KEYWORDS	TRANSPORT: cask, containment.
LOCATION	
REFERENCE	
AUTHOR	
TYPE	assoc/media
ORGANIZATION	Northern European Nuclear Information Group.
TITLE	TRANSPORT OF RADIOACTIVE WASTE.
PUBLISH	NENIG Briefing #7, 1988, Lerwick, Shetland, 7pp.
DATE	88/02/00
ABSTRACT	Newsclippings related to transport of nuclear waste
	regarding report of consulting firm, Large and Assoc
	is highly critical of the safety of rail transport o
	radioactive fuel through London. IAEA standards fo
	are inadequate. Emergency planning is inadequate, a
	nuclear industry has withheld necessary information
	public.
KEYWORDS	TRANSPORT:
LOCATION	NENIG, 22 Commercial Rd. Lerwick, Shetland, U.K.
REFERENCE	anne
AUTHOR	
TYPE	govt
ORGANIZATION	
TITLE	TRANSPORTATION OF HAZARDOUS MATERIALS: STATE AND LA
	ACTIVITIES.
PUBLISH	OTA Report SET-301. March 1986. 102 p.
DATE	86/03/00
ABSTRACT	
KEYWORDS	TRANSPORT:
LOCATION	
REFERENCE	

AUTHOR	
TYPE	govt
ORGANIZATION	
TITLE	TRANSPORTATION OF NUCLEAR WASTE.
PUBLISH	HSE Comm Energy Commerce Hearings 99 Con 1 99-54. A
	409 p.
DATE	85/08/00
ABSTRACT	
KEYWORDS	TRANSPORT:
LOCATION	
REFERENCE	

AUTHOR	Giglio, S.B.
TYPE	acad
ORGANIZATION	
TITLE	TRANSPORTATION OF SPENT NUCLEAR FUEL: THE NEED FOR A
	REGULATORY SYSTEM.
PUBLISH	Boston College Environmental Affairs Law Review. Fal
	12(1). p. 51-102.
DATE	85/09/00
ABSTRACT	The risks involved in transporting spent nuclear fue
	are detailed. The current federal regulatory scheme
	spent fuel transport is discussed, and provisions of
	regulations and the Hazardous Materials Transportati
	1976 are explained.
KEYWORDS	TRANSPORT: regulations.
LOCATION	
REFERENCE	

AUTHOR	
TYPE	govt
ORGANIZATION	Nuclear Waste Studies Program, Texas Department of A
TITLE	U.S. DEPARTMENT OF ENERGY PROPOSALS FOR TRANSPORTATI
	WASTE THROUGH TEXAS.
PUBLISH	Agricultural Development Program, Austin, April, 1987
DATE	87/04/00
ABSTRACT	An examination of transportation routes for shipping
	radioactive waste to a repository site, whether in T
	DOE is considering truck, barge and rail options. D
	quantities of waste to be transported, cost effectiv
	the inadequacy of DOE's impact assessments in the ca
	accidents and routine exposures.
KEYWORDS	TRANSPORT: economics, safety analysis.
LOCATION	Texas Department of Agriculture, P.O. Box 12847, Aus
REFERENCE	NFW 2.2-24-3

AUTHOR	McEachran, R.A.
TYPE	govt
ORGANIZATION	
TITLE	USED FUEL STORAGE AND TRANSPORTATION.
PUBLISH	Proceedings of the 20th Information Meeting of the C
	Nuclear Fuel Waste Management Program. Whiteshell Nu
	Research Establishment. January 1986.
DATE	86/01/00
ABSTRACT	
KEYWORDS	TRANSPORT: disposal and storage alternatives.
LOCATION	
REFERENCE	

AUTHOR	
TYPE	govt

